

CURRICULUM VITAE: ASGEIR SIGURDSSON**PERSONAL HISTORY**

Citizenship: Dual Icelandic and US

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EDUCATION

<u>Institution and Location</u>	<u>Degree</u>	<u>Date Conferred</u>	<u>Degree Major</u>
University of North Carolina at Chapel Hill	Master of Science	08/10/1992	Pain Perception
University of North Carolina at Chapel Hill	Certificate	06/30/1992	Endodontics
Faculty of Odontologie, University of Iceland	Cand. Odont.	06/25/1988	Dentistry
Menntaskolinn i Reykjavik, Iceland	Stud Art.	05/28/1981	Equivalent of last two years in high school and first two in college

LICENSE

07/21/1988: Unconditional Dental License in Iceland.
12/04/1996: Registered (licensed) to practice dentistry in United Kingdom. (#72616)
11/13/2012: Dental Faculty License, New York State (#000037)

SPECIALTY BOARDS

10/16/1995: Certified as an Endodontic Specialist by the National Dental Specialty Board of Iceland.
11/09/1996: Diplomate of the American Board of Endodontics.
29/04/2005: Registered on the Specialist List in United Kingdom; Endodontics.

ACADEMIC APPOINTMENTS

- 09/01/2012-present : Associate Professor and Chairman of Department of Endodontics, New York College of Dentistry, New York, USA
- 09/01/2011-present : Honorary Clinical Associate Professor in the Faculty of Dentistry, The University of Hong Kong.
- 03/01/2006-present : Honorary Clinical Teacher in Endodontology, UCL Eastman Dental Institute, London, UK.
- 03/01/2004-present : Adjunct Associate Professor, Department of Endodontics, School of Dentistry, University of North Carolina at Chapel Hill.
- 09/01/2001-02/28/2004: Associate Professor (with tenure), Department of Endodontics, School of Dentistry, University of North Carolina at Chapel Hill, USA
- 04/01/2001-03/31/2002: Visiting Associate Professor, Dept of Endodontics, University of Hong Kong. Hong Kong, China.
- 07/01/1997-02/28/2004: Graduate Program Director Department of Endodontics, School of Dentistry, University of North Carolina at Chapel Hill, USA
- 09/01/1994-08/30/2001: Assistant Professor Department of Endodontics, School of Dentistry, University of North Carolina at Chapel Hill, USA
- 01/06/1994-02/28/2004: Core Director of the Pain Clinic, Sensory Testing Unit, School of Dentistry, University of North Carolina at Chapel Hill, USA
- 07/01/01992-08/31/1994: Visiting Clinical Assistant Professor, Department of Endodontics, UNC School of Dentistry, USA
- 09/01/01989-06/30/1992: Teaching Assistant and Fellow at UNC School of Dentistry.

HOSPITAL AND OTHER APPOINTMENTS

- 07/01/1994-02/28/2004: Athletic Department of University of North Carolina at Chapel Hill, Consultant on athletic dental trauma.
- 11/01/1992-02/28/2004: UNC Hospitals. Attending; Department of Dentistry, Chapel Hill, NC.
- 11/01/1992-02/28/2004: UNC Hospitals, Forensic dental consultant to the Chief Medical Examiners Office of North Carolina (Chief consultant from 2000)

PRIVATE DENTAL PRACTICE

- 01/01/2004- present: Private practice limited to endodontics in Reykjavik, Iceland and in Worthing, UK
- 07/01/1992-02/28/2004: Dental Faculty Practice, limited to endodontics, University of North Carolina at Chapel Hill
- 07/18/1988-06/15/1989: Private practice in Akureyri, Iceland
- 05/15/1988-07/15/1988: Assistant dentist in Reykjavik, Iceland

SOCIETY MEMBERSHIPS

- 1982-1988: Icelandic Dental Student Association

1984-1985	Secretary
1985-1986	President
1987-1988:	Executive of the General Executive Committee of the International Association of Dental Students.
1988-present:	Icelandic Dental Association.
1989-present:	American Association of Endodontists.
1991-2004:	American Pain Society.
1991-2004:	American Association of Dental Research.
1991-2004:	North Carolina Section of American Association of Dental Research.
1996-1997	Secretary.
1997-1998	President elect
1998-1999	President
1991-present:	International Association of Dental Research (Icelandic Chapter).
1992-present:	International Association for Study of Pain.
1992-present:	International Association for Dental Traumatology
2000-2011	Councilor
2003-2006	President elect
2007-2008	President
1992-2004:	Tar Heel Endodontic Society of North Carolina
1995-2004:	Academy for Sports Dentistry
1995-present:	American Academy of Forensic Sciences
1996-2004:	Southern Endodontic Study Group
1998-2004:	North Carolina Dental Society/American Dental Association
2000-2005:	American Dental Association
2007-present:	Fellow, the Royal Society of Medicine

AWARDS

04/06/1992:	Derrick Turner Student Dental Research Award, awarded by the North Carolina Section of the American Association for Dental Research.
11/14/1994:	Junior Faculty Development Award, awarded by the University of North Carolina at Chapel Hill.
05/08/1998:	Edward M. Osetek Educator Award, awarded by the American Association of Endodontists.
05/12/1999:	Employee of the year; Honorable Mention Faculty, awarded by the University of North Carolina at Chapel Hill School of Dentistry.

TEACHING RESPONSIBILITIES

NYU College of Dentistry

2012-present:	Clinical instructor for dental students and postgraduate residents.
2012-present:	Lectured and participated in 2 and 3 year dental students' lecture series.
2012-present:	Lectured and participated in all postgraduate endodontic courses.

UCL Eastman Dental Institute, London UK.

2005-2010: Director of 2 year Case Review

University of North Carolina at Chapel Hill

Doctoral and specialty training:

- 2000-2006: Course Director Forensic Dentistry (elective course for DDS students)
1997-2004: Graduate Program Director, Dept. of Endodontics 1997-2004: Directed and participated literature review for endodontic residents.
1994-1997: Course director 'Preclinical Endodontics', 2nd year dental student curriculum.
1994-1996: Course director 'Pulp Biology' 2nd year dental student curriculum.
1993-1997: Clinical instructor for third and fourth year dental students 6 hours/week.
1993-2004: Clinical instructor for endodontic residents, 6 hours/week.
1992-1993: Clinical instructor for third and fourth year dental students 12 hours/week.
1992-2004: Lectured in lecture series 'Pulp Biology' for 2. year dental students, 'Endodontic Elective', 'Endodontic Core', 'Geriatric' and 'Special Care' for 3. and 4. year dental students.
1992-1997: Participated in literature review for endodontic residents.
1992-2004: Lectures for pedodontic residents 'Dental Trauma', 3hr.
1989-1992: Teaching Assistant, instructor for pre-clinical endodontics for second year students, 6 hr/week for 6 weeks.
1989-1992: Clinical instructor for third and fourth year dental students, 3 hours/week.

COMMITTEE APPOINTMENTS

University of Iceland, Faculty of Odontology

1984-1987: The Directing Board of the Faculty of Odontologie; Student representative.

UNC School of Dentistry

- 1992-1993: Third and fourth year teaching committee.
1992-1998: Quality Assurance Committee.
1993-2000: Second year teaching committee.
1994-1995: Ad Hoc Committee to update the Promotion and Tenure Regulations.
1995-1999: Promotion and Tenure Advisory Committee.

University of North Carolina at Chapel Hill

- 1995-1997: Faculty Council (Alternate member).
2001-2003: Faculty Council

Social Security Service of Colombia, S-America

1998: Committee on standardization of endodontic service in clinics by the Social Security Service in Colombia.

American Association of Endodontists

- 2000-2005: Continuing education committee.
2000: Ad Hoc on web based continuing education.
2012-2013: Ad Hoc on Recommended Guidelines on The Treatment of Traumatic Dental Injury

America Dental Association

2001-2005: Continuing Education Recognition Program Committee (CERP)

International Association for Dental Traumatology

- 2001- : The Guidelines for Treatment of Dental Injuries
2005: Congress Chairman of the XIV World Congress of IADT

Tannlæknafélag Íslands (Icelandic Dental Association)

- 2003-2006: Ársþings og endurmenntunar nefnd (Continuing Education Committee)
2008-2013 National Dental Specialty Board of Iceland.

New York University College of Dentistry

- 2013-Present Promotion and Tenure Committee
2013-Present Curriculum Committee

SERVICE TO EDITORIAL BOARDS OF SCHOLARLY JOURNALS

- 1996-2002: Editorial Board: California Dental Institute for Continuing Education.
2000-2011: Editorial Board, Endodontic section: Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontics, Mosby Inc.
2000-2005: Editor of International Association of Dental Trauma website.
2001-present: Editorial Board: Dental Traumatology, Munksgaard.
2001-present: Scientific Advisory Board Journal of Endodontics, Elsevier.
2002-2006: Editorial Board: Icelandic Dental Journal.
2002-present: Referee: International Endodontic Journal Blackwell Science Ltd.
2007-present: Editorial Board: International Endodontic Journal Blackwell Science Ltd.
2007-present: Editorial Board: Roots, the International Magazine of Endodontics, Dental Tribute International, GmbH.
2013-present: Associate Editor: Acta Odontologica Scandinavica, Informa Healthcare.

PRESENTATIONS

Local

- 02/26/1992 Effects of experimentally evoked pain on pulpal pain (poster). Sigurdsson A, Maixner W, Madison S. UNC School of Dentistry, NC.
02/21/1996 Sensory and affective characteristics of pain following treatment of chronic apical periodontitis (poster). Orstavik D, Sigurdsson A, Moiseiwitsch J, Yamauchi S, Trope M. UNC School of Dentistry, NC.

State

- 11/27/1990 Pain perception in patients with pulpal pain. Tar Heel Endodontic Association, Charlotte, NC.
11/06/1992 Effects of experimental pain on pulpitis pain. Tar Heel Endodontic Association, Raleigh, NC.

National

- 04/26/1991 A study of 3 techniques for placement of Ca(OH)₂. (Table clinic) Sigurdsson A, Stancill R. American Association of Endodontists Annual Session, Washington, DC.

- 11/09/1991 Effects of experimental versus clinical noxious stimulation on pain perception. (poster) Sigurdsson A, Maixner W. American Pain Society Annual Session, New Orleans, LA.
- 11/04/1993 Differential effects of experimental noxious counterirritation on acute and chronic pain. (poster) Fillingim RB, Sigurdsson A, Booker DK, Lundeen T, Maixner W. American Pain Society Annual Session, Orlando, FL.
- 11/12/1994 Painful muscle ischemia attenuates the hyperalgesia evoked by c-fiber stimulation. (poster) Sigurdsson A, Fillingim RB, Booker DK, Maixner W. American Pain Society Annual Session, Miami, FL.
- 11/21/1999 Associations between pain perception and sub-clinical signs of Temporomandibular Disorders. (poster) Sigurdsson A, Slade GD, Bunting SK, Bhalang K, Maixner W. American Pain Society Annual Session, Fort Lauderdale, FL.

International

- 03/14/1996 Clinical studies on pulpal pain and hyperalgesia and their modulation. Symposium presentation in "Hot-Tooth and Silent Pulpitis". Annual Meeting of the International Association for Dental Research, San Francisco, Ca.
- 06/13/1997 A new diagnostic test to aid the clinician in correctly identifying a tooth with acute pulpitis. The 8th Biennial Congress European Society of Endodontology, Goteborg, Sweden.
- 08/23/1997 Pain referral from acute symptomatic pulpitis. Symposium presentation in "Pulpal inflammation and its consequences - biological and clinical considerations". 80th Annual Meeting of Nordisk Odontologisk Forening, Reykjavik, Iceland.
- 06/23/2000 Dental Trauma in College Basketball Players as assessed with an Interactive Internet-web-site. XI Annual Meeting of International Association of Dental Traumatology, Oslo, Norway.

INVITED PRESENTATIONS

- 10/02/1993 Endodontic Update. Sponsored by North Carolina Third District Dental Society, Atlantic Beach, NC.
- 11/07/1993 Endodontic and pain research update. Sponsored by the Icelandic Dental Society, Northern-Chapter, Akureyri, Iceland.
- 03/16/1995 Tannfyllingar - af hverju takast thaer ekki alltaf? [Root canal therapy - why do they fail?] sponsored by the Icelandic Dental Association, Reykjavik, Iceland.
- 03/24/1995 Facial pain research - an update. University of Iceland, Faculty of Odontology, Reykjavik Iceland.
- 08/17/1995 Management of avulsed teeth. CES- University, Medellin, Colombia.
- 08/18-19/1995 Endodontic update (12 hrs). Sponsored by the Colombian Endodontic Society, Medellin, Colombia.
- 01/20/1996 Dental Trauma - Emergency treatment on the track. Sponsored by the North Carolina High School Trainers, Chapel Hill, NC.

- 04/04/1997 New research in management and treatment of avulsed tooth (3hrs). Children's Hospital Annual Alumni Conference, Columbus, OH.
- 04/18/1997 Oral trauma considerations and treatment in persons with disabilities (2 hrs). 9th Annual National Conference of Federation of Special Care Organizations in Dentistry, Chicago, IL.
- 05/09/1997 A futuristic look at the treatment of the avulsed tooth (1 ½ hrs). 54th Annual Session of The American Association of Endodontists, Seattle, WA.
- 05/26/1997 The future of treatment of dental trauma. 50th Annual Session of American Academy of Pediatric Dentistry (6 hrs co-presented with Dr. Trope). Philadelphia, PA.
- 07/30/1997 Management of avulsed teeth and pain research (5 hrs) The Endodontic Society of Bogota, Bogota Columbia.
- 07/31/1997 Pulp Biology, Endodontic Surgery and Endodontic Retreatment (6 hrs) Universidad de Antioquia, Facultad de Odontología, Medellin, Columbia
- 08/01/1997 Treatment and prevention of dental injuries and pain research update. (6 hrs) Universidad de Antioquia, Facultad de Odontología, Medellin, Columbia.
- 05/01/1998 Hvað er að gerast í tannholinu? (What is going on in the pulp chamber?) sponsored by the Icelandic Dental Society (3 hrs)
- 05/01/1998 Bráðahjálp eftir tannáverka (Traumatic injury – EM care) sponsored by the Icelandic Dental Society (1 hr)
- 10/22/1998 Apexification, 3 critical steps for success. IX World Congress of the International Association of Dental Traumatology. Elat, Israel.
- 10/30/1998 Pain research and pulpal differential diagnosis. 2 hrs University of Michigan, Ann Arbor, MI.
- 10/30/1998 Treatment of traumatic dental injuries. 1 hr University of Michigan, Ann Arbor, Michigan.
- 11/17/1998 Update in the management of dental trauma – the research behind it. 2 hrs Georgia Association of Endodontists, Atlanta, Georgia.
- 01/07/1999 Pain and clinical parameters. In NIOM (the Scandinavian Institute of Dental Materials) sponsored seminar: Clinical Trials of Endodontic Materials, Oslo, Norway.
- 02/08/1999 - 02/12/1999 Endodontic A-Z (40 hrs, lectures, labs and clinic). Co-presented with Dr. Trope. Sponsored by the University of West Indies, Port of Spain, Trinidad.
- 04/22/1999 Diagnostic technique to assist the diagnosis of referred pain. (1 ½ hrs) 56th Annual Session of the American Association of Endodontists, Atlanta, GA.
- 09/22/1999 Is it Pulpitis? (1 hr) The Edgar D. Coolidge Endodontic Study Club, Chicago, Illinois.
- 10/09/1999 Bacteria reduction with nickel titanium rotary instrumentation in vivo. The 9th Biennial Congress European Society of Endodontology, Zagreb, Croatia.
- 01/21/2000 Pain, diagnosis and emergency treatment of non-vital teeth (45 min) and Differential diagnosis of pulpal pain (45min) sponsored by the Schweizerische Gesellschaft für Endodontologie, Basel., Switzerland.

- 03/17/2000 Treatment of traumatic dental injuries and prevention. (5hrs). Co-presented with Dr. Vann. Sponsored by Shenandoah Valley Dental Association, Charlottesville, VA.
- 03/30/2000 Is there any truth in diagnostic tests? (1 ½ hrs) 57th Annual Session of the American Association of Endodontists, Honolulu, HA.
- 04/12/2000 Treatment of dental injuries (1 hr). Sport Medicine and Student Health Grand Rounds. UNC Hospitals, Chapel Hill, NC.
- 07/02/2000 Use and abuse of mouthguard. (1 ½ hrs) 51st Annual Session of the National Athletic Trainers Association, Nashville, TN.
- 08/01/2000 Endodontics/NiTi instrumentation. (2 kls). The Charles R. Jerge Dental Seminar, sponsored by the Department of Dentistry of Wake Forest University School of Medicine, Myrtle Beach, SC.
- 10/25/2000 Surgical indications in endodontics (2 hrs). University of Michigan, Ann Arbor, Michigan
- 11/16/2000 Differential pain diagnosis in endodontic (1 ½ hrs). Georgia Association of Endodontists, Atlanta, Georgia.
- 12/08/2000 Treatment of traumatic dental injuries (3hrs).First International Symposium on Endodontic and Traumatic Injuries. Sponsored by Instituto Colombiana de Endodoncia Bogota. Colombia, S-America.
- 12/09/2000 Recent research and diagnostic techniques in facial pain (3hrs).First International Symposium on Endodontic and Traumatic Injuries. Sponsored by Instituto Colombiana de Endodoncia Bogota. Colombia, S-America.
- 03/17/2001 Biologic basis and indications for endodontic surgery (3hrs). 14th Annual review of the biologic and clinical aspects of endodontology. Sponsored by the CDE of University of Michigan.
- 06/22/2001 Use of an interactive webs site as a research tool – report on brain concussion and dental trauma in NCAA basketball players. World Congress on Sports Dentistry and Dental Traumatology. Boston, MA.
- 08/04/2001 Endodontic diagnosis (2 hrs) and Endodontic Obturation Techniques (1 hr). Kanagawa Dental College, Yokosuka, Japan.
- 09/28/2001 Physiology of Pain, Pulpal and non Pulpal Pain (2 hrs) 7th International Symposium on Endodontic Biology. Sponsored by University of Connecticut, Farmington, Conn.
- 10/05/2001 Oral facial pain, differential diagnosis. The 10th Biennial Congress European Society of Endodontology, Munich, Germany.
- 10/11/2001 Update in dental trauma treatment (2hrs) and “One vs. two appointment endo – question for the new Millennium” (2hrs). The 11th International Endodontic Symposium. Sponsored by the Venezuelan Endodontic Society, Caracas, Venezuela.
- 11/12/2001 Pain and pain pathways – from the pulp to the brain (4 hrs), University of Hong Kong, Hong Kong.
- 11/13/2001 Differential diagnosis of facial pain (2 hrs) and Biological and clinical indications for endodontic surgery (3 hrs). University of Hong Kong, Hong Kong.

- 01/25/2002 Teaching rotary techniques – what is the future? Endodontic Opinion Leaders Meeting, Les Diablerts, Switzerland.
- 02/23/2002 Surgical Endodontics (3hrs). University of Texas Houston, Endodontic Section. Houston, TX.
- 03/16/2002 Review of the literature for biologic basis and indications for endodontic surgery (3hrs). 15th Annual review of the biologic and clinical aspects of endodontology. Sponsored by the CDE of University of Michigan.
- 04/11/2002 Pain from endodontic and non-dental origin: basic mechanisms, differential diagnosis and clinical management. (1hr, co-presented with Drs. Dao and Byrne in a 3 hr session) 59th Annual Session of the American Association of Endodontists, Chicago, IL.
- 05/03/2002 Update in dental trauma treatment (1 ½ hrs) and From the pulp to the brain – pain update (1 ½ hrs). 8th Biannual Congress of the Turkish Endodontic Society, Istanbul Turkey.
- 05/30/2002 “From the pulp to the brain – review of pain mechanism” and “Endodontic surgery” (6hr total). US Army Endodontic Program, Fort Bragg, NC.
- 06/28/2002 Treatment of the traumatized pulp. (1hr) The 2nd International Symposium of Dentistry and Sport. Sponsored by University of Berne, International Society of Dentistry and sport and International Olympic Committee. Berne Switzerland
- 10/26-27/2002 Endodontic and dental trauma update (5 hrs) and rotary instrumentation (2 hrs). Osaka Endodontic Study Club, Osaka, Japan.
- 03/20/2003 Review of the literature for biologic basis and indications for endodontic surgery (2hrs). 16th Annual review of the biologic and clinical aspects of endodontology. Sponsored by the CDE of University of Michigan.
- 05/03/2003 Update in treatment of dental injuries (1 hr). Part of Interdisciplinary Problem Solving in Cranio-Maxillofacial Surgery. Sponsored by Health Stream, Chapel Hill, NC.
- 07/15/2003 Forensic Dentistry, Identification and Bite Mark Analysis. (6 hr) CSI continuing education program. Sponsored by Central Piedmont Community College. Huntersville, NC
- 10/09/2003 Using an interactive web-site for dental trauma data collection. XII World Congress of International Association of Dental Traumatology. Santiago, Chile.
- 10/31/2003 One or two appointment endo – effects of different instrumentation on bacteria reduction in human teeth (1 hrs). Oregon Health Science University, Portland, Oregon.
- 11/01/2003 From the pulp to the brain – oral pain diagnosis and differential diagnosis. (2 hrs) F. James Marshal Study Group. Portland, Oregon.
- 11/15/2003 Trauma update – Latest treatment option on avulsed teeth (1hr). Nihon University School of Dentistry at Matsudo, Chiba. Japan
- 11/17/2003 Root resorption, diagnosis and treatment options (1 hr). Third National meeting of the Japan Association of Dental Trauma. Tokoshima, Japan.

- 01/30-31/2004 Pain diagnosis, differential diagnosis. Management of dental trauma and new technology in endodontic. (10 hr). Icelandic Dental Association. Reykjavik, Iceland.
- 03/14/2004 Review of the literature for biologic basis and indications for endodontic surgery (2hrs). 17th Annual review of the biologic and clinical aspects of endodontology. Sponsored by the CDE of University of Michigan.
- 04/17/2004 Rotary instrumentation in endodontics. (4 hrs lecture/3 hrs hands on). Co-sponsored by the Trinidad Dental School, Port of Spain, Trinidad.
- 04/18/2004 Obturation – New obturation materials for the new millennium. (3 hrs). The Trinidad Dental Society. Port of Spain, Trinidad.
- 06/07/2004 Facial Pain: Current Diagnosis and Management (2 hrs) Chiang Mai University, Chiang Mai, Thailand.
- 06/8-9/2004 Dental trauma, diagnosis and treatment options. (9 hrs). The International Dental Congress of the Mekong River Region. Bangkok, Thailand.
- 06/10/2004 Root resorption (3 hrs) and Pain and differential diagnosis (3 hrs). Endodontic Society of Thailand. Bangkok, Thailand.
- 06/11/2004 Instrumentation and Obturation – New techniques and obturation materials for the new millennium. (3hrs). Thai Endodontics Society. Bangkok, Thailand.
- 02/12/2005 Update in treatment of traumatic injuries (3 ½ hrs). Fifth District Dental Society of North Carolina, Goldsboro, USA.
- 02/28/2005 Endodontic differential diagnosis. (1 ½ hrs) Eastman International Center for Excellence in Dentistry, London, UK
- 03/16/2005 Differential diagnosis, is it really tooth ache? (2 hrs) and Surgical Endodontics (2 hrs). Michigan Endodontic Association, Detroit, MI
- 03/19/2005 From the pulp to the brain, review of neurophysiology and function of pulpal and CNS nervous system (1 ½ hrs) and Review of the literature for biologic basis and indications for endodontic surgery (2hrs). 18th Annual review of the biologic and clinical aspects of endodontology. Sponsored by the CDE of University of Michigan.
- 07/02/2005 Differential diagnosis (1 ½ hrs) Singapore University and Singapore Endodontic Society. Singapore.
- 07/03/2005 Integrating Technology and Biology for Instrumentation and Obturation of the Root Canal (2 ½ hrs). Differential Diagnosis of Orofacial Pain (2 hrs). Management of Dental Trauma (2 hrs). Biological foundation for instrumentation and obturation (2 ½ hrs). Malaysian Endodontic Society, Kuala Lumpur, Malaysia.
- 07/05/2005 Review of the literature for biologic basis and indications for endodontic surgery (3hrs). Thai Endodontics Society. Biological foundation for instrumentation and obturation (2 ½ hrs) Mahidol University, Bangkok, Thailand.
- 07/07/2005 Pain diagnosis, differential diagnosis (2 hrs). Management of dental trauma and new technology in endodontic (2 hrs). Biological foundation for instrumentation and obturation (2 ½ hrs). University Hospital Guangzhou, China.

- 07/09/2005 Diagnosis and differential diagnosis of endodontic pain (2 hrs). Biological foundation for endodontic obturation (2 hrs). Hong Kong Endodontic Society, Hong Kong.
- 07/10/2005 Pain diagnosis, differential diagnosis (2 hrs). Biological foundation for instrumentation and obturation (3 hrs). Academy of Endodontics ROC, Taipei, Republic of China.
- 09/17/2005 Treatment of the pulp in immature teeth (1 hr). The 12th Biennial Congress European Society of Endodontology, Dublin, Ireland.
- 09/23/2005 Current concepts in treatment of dental trauma (4 ½ hrs) and Pain – differential diagnosis and management of facial pain (2 hrs). Bogotá Endodontic Society, Bogotá. Colombia, S-America.
- 03/12/2006 The Endodontic Divide (5hrs) Co presented with Dr. Ove Peters. The annual scientific meeting of the British Endodontic Society. London UK.
- 03/18/2006 From the pulp to the brain, review of neurophysiology and function of pulpal and CNS nervous system (1 ½ hrs) and Review of the literature for biologic basis and indications for endodontic surgery (2hrs). 19th Annual review of the biologic and clinical aspects of endodontology. Sponsored by the CDE of University of Michigan. Ann Arbor, MI
- 05/10/2006 Etiology, diagnosis and treatment of facial pain (5hrs) Sponsored by the Sociedade Brasileira de Traumatologia Dentaria, Rio de Janeiro, Brazil.
- 05/12/2006 Doppler Laser, use in dental trauma and revascularization of young immature tooth. (1 ½ hrs). First National Congress on Dental Trauma. Sponsored by the Sociedade Brasileira de Traumatologia Dentaria, Rio de Janeiro, Brazil.
- 06/06/2006 Emergency treatment of dental trauma, what is new! (2 hrs) The annual meeting of the St. Petersburg Dental Society, St. Petersburg, Russia.
- 06/20/2006 Is bigger better. (1 1/2 hrs) co presented with Dr. Cecilia Bourguignon. The Paris Endodontic Society. Paris France.
- 11/28/2006 Pain pathways and endodontic diagnosis (2 ½ hrs) and Dental trauma, endodontic considerations (1 ½ hrs). Institute for Clinical Dentistry, University of Oslo, Norway.
- 03/19/2007 From the pulp to the brain, review of neurophysiology and function of pulpal and CNS nervous system (1 ½ hrs) and Review of the literature for biologic basis and indications for endodontic surgery (2hrs). 20th Annual review of the biologic and clinical aspects of endodontology. Sponsored by the CDE of University of Michigan. Ann Arbor, MI, USA.
- 04/20/2007 Differential diagnosis – Is it really toothache? (2 hrs) and Forensic dentistry 101 (1 hr). The 23rd Annual R.J. Shankle Lecture. Sponsored by the UNC School of Dentistry, Chapel Hill, NC, USA.
- 04/27/2007 Revascularization of the avulsed tooth and nonvital teeth with apical periodontitis. Co presented with Dr. Leif Tronstad (1 ½ hrs). 64th Annual Session of the American Association of Endodontists, Philadelphia, PA. USA.

- 07/26-29/2007 Update on trauma research (2 hrs), Post operative complications (1 hr), Treatment of young traumatized tooth (2 hrs). The Tenth International Meeting of the Iranian Association of Endodontists. Tehran, Iran.
- 09/08/2007 Calcium Hydroxide: are we better off using it in two appointment endo? (1 hr). The 13th Biennial Congress European Society of Endodontology, Istanbul, Turkey.
- 12/12/2007 From the pulp to the brain (3 1/2 hrs) and What is New in Treatment of Dental Trauma (3 hrs). University of Gothenburg, Gothenburg Sweden.
- 01/25/2008 Endodontic diagnosis (1 hrs). Annual meeting of the Irish Endodontic Society. Dublin, Ireland.
- 04/26-27/2008 New approach to vital pulp therapy (1 ½ hrs) and Endodontic diagnosis and differential diagnosis (2 ½ hrs). The 6th Joint Scientific meeting of the Japan Endodontic Society and Korean Academy of Endodontics, Gwangju, Korea.
- 04/29-05/1/08 Current concepts in treatment of dental trauma (3 hrs) and Endodontic diagnosis and differential diagnosis (3 hrs), both lectures held in: Sydney, Melbourne and Brisbane, Australia.
- 08/25/2008 Current concepts in treatment of dental trauma (3 hrs) and Endodontic diagnosis and differential diagnosis (3 hrs). Accor Dental, Bangkok, Thailand.
- 08/26/2008 Revascularization of infected immature teeth (2 hrs). Mahidol University, Bangkok, Thailand.
- 08/27/2008 Current concepts in treatment of dental trauma (3 hrs) and Endodontic diagnosis and differential diagnosis (3 hrs). Jakarta, Indonesia.
- 08/30-31/2008 Management of traumatic dental injuries (1 ½ hrs), Revascularization of Immature Teeth (1 ½) and Is It Toothache? (1 ½ hrs). Endodontic Summit, joint meeting of the Society of Endodontists Singapore and Malaysian Endodontic Society, Singapore.
- 11/13-14/2008 Update in permanent dental trauma (1 hrs), Revascularization of Immature Teeth (1 hrs) and Decoronation as approach for ankylosis in growing children (45 min). Fall CE course of the American Academy of Pediatric Dentistry. Chicago, USA.
- 27/01/2009 Mouthguards do they work and if so how? (1½ hrs). Hosted by the Yorkshire and the Humber Postgraduate Deanery, Leeds, UK.
- 28/01/2009 Update in Management and Treatment of Dental Trauma. Dept. of Pediatric Dentistry, Leeds University, UK.
- 03/08/2009 Is it toothache (1 hr). The 13th UAE International Dental Conference & Arab Dental Exhibition – AEEDC, Dubai, UAE.
- 03/10/2009 Revascularization of immature tooth (1 hr). The 13th UAE International Dental Conference & Arab Dental Exhibition – AEEDC, Dubai, UAE.
- 04/05/2009 Endodontic diagnosis (1 1/2hrs). TEC Alumni, Philadelphia, PA, USA.
- 05/02/2009 The Outer Space of Endodontics: Sport, Forensic Science and More. (1 ½ hrs). 66th Annual Session of the American Association of Endodontists, Orlando, FL. USA.
- 08/27/2009 Pain, Pain Perception and the Disabled (1 ½ hrs). XIX Annual Conference of the Nordic Association of Special Care Dentistry (NFH). Reykjavik, Iceland.

- 09/27/2009 Revascularization of Immature Teeth with Periapical Lesion (1 hr). 14th Biennial Congress European Society of Endodontology, Edinburg, Scotland.
- 10/16/2009 Update in permanent dental trauma (1 ½ hrs), Revascularization of Immature Teeth (1 hrs) and Decoronation as approach for ankylosis in growing children (45 min). Sponsored by the University of North Carolina at Chapel Hill, Department of Pediatric Dentistry. Chapel Hill, NC, USA
- 01/21-22/2010 Endodontic diagnosis and emergency treatment (2 ½ hrs), Revascularization of immature teeth (1 1/2 hrs) and Forensic dentistry (1 hr).). The Annual Scientific Meeting of the Irish Endodontic Society. Dublin, Ireland.
- 01/29/2010 Revascularization of immature tooth (1 hr). European Endo Forum, Leukerbad, Switzerland.
- 03/04-05/2010 Update on treatment of dental trauma (3 hrs), Revascularization of immature teeth (1 ½ hrs), Endodontic diagnosis and differential diagnosis (2 ½ hrs). XI Congreso Latinoamericano e Ibérico de Endodoncia and XIV Jornadas Nacionales de la Sociedad Venezolana de Endodoncia, Margarita Island, Venezuela.
- 03/13/2010 Tannáverkar, hvað er nýtt? (Dental trauma, what is new?) (3 hrs). The Annual winter meeting of the North Coast Icelandic Dental Society, Akureyri, Iceland.
- 03/18/2010 Dental trauma, management of late complications (6 hrs). Hosted by Mahidol University, Bangkok, Thailand.
- 03/19/2010 Current concepts of root canal preparation. (3 hrs). Hosted by Mahidol University, Bangkok, Thailand.
- 03/21/2010 Dental Trauma Management - Contemporary Approach (2 hrs), Hong Kong Dental Association, Hong Kong.
- 03/26/2010 Principles of endodontic instrumentation (2 hrs), Problem solving endodontics (2 hrs), Emergency treatment of dental trauma (3 hrs). 2nd International Endodontic Congress of the Romanian Endodontic Association (ARE), Craiova, Rumania.
- 05/21/2010 Forensic Dentistry (1 ½ hrs). Turnbridge Wells Endodontic Study Club. Kent & Sussex Hospital, Turnbridge, UK.
- 06/25/2010 Emergency Dental Traumatology for Young and Adult (3 hrs). Annual International meeting of the French Society of Endodontics, Nancy, France.
- 07/24/2010 Vital pulp therapy and revascularization in young adults. (1 hr.). 8th Advanced Programs in Clinical Endodontics Symposium – AAE Endodontic Resident Group. Chapel Hill, NC, USA.
- 09/11/2010 Dental Trauma – Prevention and Treatment of Late Complications (2 ½ hrs) Langham Endodontic Study Club, Co-presented with Dr. Frances Andreasen. London, UK.
- 09/18/2010 Problem Solving Endodontics (2 ½ hrs). 6^o Endo Forum, Madrid, Spain.
- 10/24/2010 Endodontics – now and the future. (6 hrs) – Management of Dental Trauma and Principles of Endodontic Instrumentation. Sponsored by Taipei Medical University Hospital, Dental Department, Taipei, Taiwan.
- 10/28/2010 Research and Clinical Assessment of a Pain Patient (1 ½ hrs). Dept of Endodontics, University of Hong Kong. Hong Kong, China.

- 11/03/2010 From the Pulp to the Brain – Review of Pain, Pain Mechanisms and Neurology of the Pulp (3 hrs). Australian and New Zealand Academy of Endodontists. Christchurch, New Zealand.
- 11/04/2010 An update on dental trauma: Emergency management and long term follow up (1 ½ hrs) and Facial pain: Diagnosis and treatment (1 ½ hrs). Trans Tasman Endodontic Conference, Christchurch, New Zealand.
- 11/26-27/2010 Emergency Treatment of Dental Trauma: What is New? (1 ½ hrs) and Dental Trauma: Late Sequels of (1 ½ hrs). Sponsored by the Lithuanian Endodontic Society, Vilnius, Lithuania.
- 04/02/2011 None Surgical Endodontics, New Technologies. (1 ½ hrs) 8th International Quintessence Dental Meeting, Istanbul, Turkey. Extended version of the same lecture (3 hrs) given in Ankara 03/31/2011 and Izmir 04/01/2011.
- 04/13-14/2011 Decoronation as an Option to Treat Ankylosis in Growing Children (1 ½ hrs) and The Important Role of First Responders to Traumatic Injuries (1 ½ hrs). 68th Annual Session of the American Association of Endodontists, San Antonio, Texas, USA.
- 06/12/2011 Contemporary Approach to Root Canal Instrumentation: from Biology and Technology to Your Practice (3 hrs). International Symposium Quintessence Moscow, Russia.
- 09/21/2011 Problem Solving Endodontics (2 ½ hrs). Beirut International Dental Meeting. Beirut, Lebanon.
- 11/04/2011 Update in Diagnosis and Emergency Treatment of Dental Trauma (2 hrs) and Facial pain: Diagnosis, Differential Diagnosis (2 hrs). XXX Reunion Regional de Endodoncia, Sociedad Jalisciense de Endodoncia, Guadalajara, Mexico.
- 11/11/2011 Diagnosis and Treatment Planning of Dental Trauma (45 min) and Current Treatment Options for Root Resorption (45 min). Second Pan-Dental Society Conference. Liverpool, UK.
- 12/16/2011 Treatment of Dental Trauma: What do we know and what is in the future? (3 hrs). First International Congress on Dental Traumatology sponsored by the Belgian Association for Endodontology and Traumatology, Brussels, Belgium.
- 03/03/2012 Contemporary Approach to Root Canal Instrumentation: from Biology and Technology to Your Practice (2 hrs). SIMEPS day, Lisbon, Portugal.
- 03/09/2012 Hversdags Vandamál í Endóí (Everyday Difficulties in Endodontics) (3 hrs). The Annual winter meeting of the North Coast Icelandic Dental Society, Akureyri, Iceland.
- 03/25/2012 The Principles of Endodontic Therapy, the New Wave (1 1/2hrs). The 10th Joint Scientific Meeting of the Japan Endodontic Society and Korean Academy of Endodontics, Seoul, Korea.
- 03/27/2012 The Principles of Endodontic Therapy (3 hrs). HangZhou Stomatology Hospital. HangZhou, China.
- 04/21/2012 Current Concepts in Treating Avulsed Tooth (1 ½ hrs). 69th Annual Session of the American Association of Endodontists, Boston, MA, USA.

- 04/27/2012 The Final Wave (1 hr) and Revascularization of young immature tooth (1 hr). 11th International Congress of the Turkish Endodontic Society, Istanbul, Turkey.
- 05/19/2012 Contemporary Approach to Root Canal Instrumentation: from Biology and Technology to Your Practice (1 1/2 hrs). Croatian Endodontic Society, Zagreb, Croatia.
- 05/23/2012 Pulpal Regeneration (3 hrs). 65th Annual Session of American Academy of Pediatric Dentistry, San Diego, CA, USA.
- 06/29/2012 Problems Solving Endodontics (3 ½ hrs) and Update in Treatment of Dental Trauma (3 ½ hrs). 53rd Anniversary Congress. The Faculty of Dentistry, Rosario, Argentina.
- 10/05/2012 Management of Complicated Endo Cases: Dental Trauma (1 hr). 3rd Congress of the European Society of Microscope Dentistry. Berlin, Germany.
- 11/10/2012 Evidence Based Review of Prevention of Dental Trauma (1 1/2hrs). Joint Symposium of American Association of Endodontists and American Academy of Pediatric Dentistry. Scottsdale, AZ, USA.
- 03/09/2013 Contemporary Treatment Options of Dental Trauma (6 hrs). 81st Annual Nation's Capital Dental Meeting, Washington DC, USA
- 03/23/2013 Current Treatment Options Of Dental Trauma; Guidelines of the International Association of Dental Traumatology (4 hrs). Annual meeting of the Dutch Dental Society. Amsterdam, Netherlands.
- 06/25/2013 Alveolar Preservation in a Growing Child After Dental Trauma (45 min). 89th Congress of the European Orthodontic Society, Reykjavik, Iceland.
- 08/24/2013 Dental Traumatology, Contemporary Treatment Option and Prevention. UTHSCSA Annual Endodontic Alumni CE day (6 hrs). San Antonio, TX, USA.
- 09/07/2013 Endodontic considerations of Dental Trauma. (1 hr.) and Evidence-Base Review of Prevention of Dental Trauma (30 min.) Third Copenhagen Trauma Symposium. Copenhagen, Denmark.
- 09/26-27/2013 Differential Diagnosis: Is it really toothache? (45 min), Current Treatment Options of Dental Trauma (45 min), Pulpal Revascularization (45 min) and Rotation vs. Reciprocation in Endodontics, Is There a Difference? (45 min). 3rd International Dental Conference of Al Noor Hospital, Abu Dhabi, UEA.
- 10/12/2013 Treatment Dilemmas: Extraction controversies Scenarios; Apicoectomy vs. Extraction and implant, The "Wrong Tooth", The "Sound Tooth" (2 hrs). Co-presented with Drs. Levine and Choi. 95th Annual meeting of the American Association of Oral and Maxillofacial Surgeons. Orlando, FL, USA.
- 10/11/2013 Endodontic Instrumentation and Obturation (4 ½ hrs) and Controversies in Endodontics (1 hr). Endodontic Clinical Attachment Week. Hong Kong University. Hong Kong, China.
- 10/13/2013 Problem Solving Endodontics. (1 ½ hrs). Hong Kong Endodontic Society, Hong Kong, China.

CONTINUING EDUCATION COURSES PRESENTED

- 11/19/1993 New Concepts in Dental Trauma - Practical Treatment Guidelines. Sponsored by UNC School of Dentistry, Chapel Hill, NC. (7 hrs) Co-presentation with Drs. M. Trope and J. Camp.
- 04/22/1994 Diagnostic radiographs after dental trauma. The 11th Annual Joint Conference of NC General Practice Residents and Faculty, Chapel Hill, NC.
- 05/30/1997 Emergency Treatment of Athletic Dental Injuries (1 hr). Update in General Practice, sponsored by AGD and UNC Dental School, Chapel Hill, NC.
- 01/30/1997 Dental Trauma - Emergency Treatment in Dental Office. Seminar series for UNC Hospital Dental Residents, Chapel Hill, NC.
- 05/29/1997 Is it a toothache? Non-pulpal diseases mimicking pulpal pain. Update in General Practice, sponsored by AGD and UNC Dental School, Chapel Hill, NC.
- 05/28/1998 One or two appointment endodontics (1 hr). Update in General Practice, sponsored by AGD and UNC Dental School, Chapel Hill, NC.
- 05/28/1998 Vertical root fractures (1 hr). Update in General Practice, sponsored by AGD and UNC Dental School, Chapel Hill, NC.
- 09/25/1998 Primary and Permanent Tooth Trauma: current Therapies and Future Directions. Sponsored by UNC School of Dentistry, Chapel Hill, NC. (7 hrs) Co-presentation with Drs. W. Vann and M. Trope.
- 06/05/1999 Endodontic Retreatment (1½ hrs). Update in General Practice, sponsored by AGD and UNC Dental School, Chapel Hill, NC.
- 12/03/1999 New Endodontic Techniques for General Practitioners. Co-chaired with Dr. Trope. Sponsored by UNC School of Dentistry, Chapel Hill, NC (10 hrs). Repeated 02/18/2000, 03/10/2000, 03/24/2000, 04/28/2000, 05/12/2000, 09/22/2000, 10/13/2000, 11/03/2000, 12/01/2000, 02/01/2001, 03/09/2001, 04/27/2001, 09/11/2001, 11/30/2001, 12/07/2001, 03/22/2002, 04/19/2002, 06/7/2002, 10/06/2002, 11/22/2002, 12/06/2002, 02/14/03, 03/07/03
- 04/07/2000 Dental Trauma, Treatment and Prevention. Sponsored by UNC School of Dentistry, Chapel Hill, NC (8 hrs) Repeated on 01/19/2001, 05/11/2001, and 8/24/2001.
- 05/30/2001 Vertical root fractures, new approaches (1 hr). Update in General Practice, sponsored by AGD and UNC Dental School, Chapel Hill, NC.
- 06/18/2008 New instrumentation techniques – the rational and biological concepts behind BioRaCe file instruments. (2hrs). Co presented with Dr. Marin Trope. Sponsored by Schottlander Dental Products, London, UK.
- 09/29/2008 New instrumentation techniques – the rational and biological concepts behind BioRaCe file instruments. (2hrs) and hands on 2hrs Sponsored by Jarrdent, Heidelberg, Germany.
- 05/4-6/2011 Endodontics A-Z. 6 hrs. lecturing and 3 hrs. hands-on training on ProTaper og WaveOne. Sponsored by Dentsply Maillefer, Ballaigues, Switzerland. Repeated 05/24-24/20112
- 09/07/2011 The new Wave in Endodontics – WaveOne. Helsinki, Finland.
- 09/08/2011 The new Wave in Endodontics – WaveOne. Stockholm, Sweden.
- 03/02/2012 The new Wave in Endodontics – WaveOne. Lisbon, Portugal.

- 03/24/2012 Endodontics A-Z. 6 hrs. lecturing and 2 hrs. hands-on training on ProTaper and WaveOne. Seoul, Korea.
- 03/27/2012 Endodontics A-Z. 6 hrs. lecturing and 2 hrs. hands-on training on ProTaper. Xian, China.
- 04/25-26/2011 Endodontics A-Z. 6 hrs. lecturing and 3 hrs. hands-on training on ProTaper og WaveOne. Sponsored by Dentsply Maillefer, Ballaigues, Switzerland.
- 04/27/2012 The new Wave in Endodontics – WaveOne. Istanbul, Turkey.
- 05/14/2012 The new Wave in Endodontics – WaveOne. Zagreb, Croatia.
- 25/06/2012 The new Wave in Endodontics – WaveOne. Sao Paulo, Brazilia.
- 27/06/2012 The new Wave in Endodontics – WaveOne. Belo Horizonte, Brazilia.
- 10/04/2012 Endodontics A-Z. 3 hrs. lecturing and 3 hrs. hands-on training on ProTaper og WaveOne. Sponsored by Dentsply Maillefer, Berlin, Germany.
- 09/28/2013 The new Wave in Endodontics – Wave One 3 ½ hrs, Abu Dhabi, UAE.
- 09/28/2013 The Next in Endodontics – ProTaper Next, 3 ½ hrs, Abu Dhabi. UAE

For dentists and/or dental specialists, lectures given outside UNC School of Dentistry, sponsored either by the Area Health Education Centers (AHEC) or local dental societies:

- 10/16/1992 Traumatic Injuries to the Teeth, 3hr presentation
Repeated: 09/30/1993, 02/06/1999, and 12/03/2001.
- 12/03/1992 Endodontic Implants, Transplants, and Intentional Replantation, 1½ hr presentation.
- 02/16/1993 What's New in Endodontics? 2 hr presentation.
Repeated: 06/04/1993, 12/08/1994, 04/12/1996, 09/04/1996, 08/25/1998, 02/19/1999, 04/24/2001, 02/07/2002.
- 05/17/1993 Endodontic Diagnosis, 1 hr presentation.
Repeated: 08/28/2002
- 03/02/1994 Retreatment of Endodontically Treated Teeth, 3 hr presentation.
Repeated: 04/06/1999, 04/25/2001.
- 10/11/1994 Vertical Root Fractures, 1 hr presentation.
Repeated: 01/09/1996, 11/15/2002
- 04/24/1995 Case Selection in Endodontics, 1 hr presentation.
- 11/07/1995 Management of Avulsed Teeth, 1 hr presentation.
Repeated: 04/12/1996, 11/02/1999.
- 01/08/1997 Dental Injuries in Athletics, 1hr
Repeated: 02/18/1997, 09/09/1997, 06/12/2003.
- 03/04/1997 Recent Changes in Management of Avulsed Tooth, 3 hr presentation
- 04/28/1997 Emergency treatment of Dental Trauma, 1 hr presentation
Repeated: 09/15/1998, 02/19/1999, 05/20/2002
- 09/17/1997 Endodontic Update, 3 hr presentation.
Repeated: 03/01/2002.
- 10/12/1997 Non pulpal diseases mimicking pulpal diseases, 1hr presentation

Repeated: 04/07/1998, 10/06/98, 05/06/1999, 09/21/1999, 09/28/1999, 11/18/1999, 11/21/2000.

07/02/1998 Forensic dentistry (co-presented with Dr. Burkes) 3 hrs

05/26/1999 Acute pain; diagnosis and management, 3 hrs

04/06/2001 Endodontic Review, 6 ½ hrs

04/24/2001 The use and abuse of mouthguard 1 hr

08/28/2002 Foensic Dentistry 1 1/2hr

Repeated: 11/11/2002, 11/15/2002, 12/03/2002, 01/14/2003, 04/11/2003, 06/12/2003

THESIS

Directed

Dr. Labella (MD), Department of Sports Medicine. Incidence of oral injuries and mouthguard use in NCAA Division I basketball players. Completed 06/30/2001.

MS: Dr. Wisniewski, Department of Endodontics. Incidence of oral and brain injuries of college football players. Completed 06/30/2003.

MS: Dr. McGurkin, Department of Endodontics. Evaluation of bacterial reduction using GT rotary instruments. Completed 06/30/2003

Committee member

Has been on eleven Master of Science advisory committees at UNC School of Dentistry and one PhD committee.

Additionally on three Master of Science advisory committees in School of Medicine and Athletic Science.

MAJOR RESEARCH INTEREST

1. Pain modulation, i.e. effects of experimental pain on clinical pain perception (with emphasis on patients suffering from tooth-ache, TMD and other orofacial pain disorders)
2. Dental trauma, prevention and treatment

PUBLICATIONS

* Refereed publications

A. Chapters in books

Maixner W, **Sigurdsson A**, Fillingim R, Lundeen T, Booker D. Regulation of acute and chronic orofacial pain. In: Friction JR, Dubner R, eds. Advances in Pain Research and Therapy (Vol.21) Orofacial Pain and Temporomandibular Disorders. New York: Raven Press. Pp. 85-102, 1995.

Trope M, **Sigurdsson A**. Clinical Manifestations and Diagnosis. In: Ørstavik D, Pitt-Ford TR, eds. Essential Endodontology. London: Blackwell. Pp. 157-78, 1998.

Trope M, Chivian N, **Sigurdsson A**. Traumatic Injuries. In: Cohen S, Burns RC, eds. Pathways of the Pulp 7^h ed. St. Louis: Mostby Company. Pp. 552-99, 1998.

Sigurdsson A. Procedures & emergency complications encountered by specialists: Dentists. In: Barton C, ed. Management of Office Emergencies, New York: McGraw-Hill. Pp. 271-88, 1999.

Trope M, Civian N, **Sigurdsson A**, Vann W. Traumatic Injuries. In Cohen S, Burns RC, eds. Pathways of the Pulp 8th ed. St. Louis: Mostby Company. Pp. 603-649, 2001.

Sigurdsson A. Success and failure. In: Walton R and Torabinejad M, eds. Principle of Endodontics 3rd ed, Saunders Company. 2002.

Civian N, Arens D, **Sigurdsson A**. Endodontics: Contributions to esthetic dentistry. In Goldstein and Haywood V. eds. Esthetics in Dentistry (2nd ed). BC Decker Inc publisher, Ontario, Canada. Pp. 553-99, 2002.

Trope M, Blanco L, Civian N, **Sigurdsson A**. The role of endodontist after dental traumatic injuries. In Cohen S, Hargreaves KM, eds. Pathways of the Pulp 9th ed. St Louis: Mosby Company. Pp. 610-49, 2006.

Sigurdsson A, Bourguignon C. Luxation Injuries. In Berman L, Cohen C, Blanco L eds. A Clinical Guide to Dental Traumatology. Elsevier Pp :72-98, 2006.

Sigurdsson A, Bourguignon C. Avulsions. In Berman L, Cohen C, Blanco L eds. A Clinical Guide to Dental Traumatology. Elsevier Pp :99-126, 2006.

Sigurdsson A. Prevention of dental and oral injuries. In Andreasen JO, Andersen L, Andreasen F eds. Textbook of Traumatic Injuries to the Teeth (4th ed). Blackwell Munksgaard. Pp. 814-34, 2007

Sigurdsson A. Clinical Manifestations and Diagnosis. In: Ørstavik D and Pitt-Ford TR, eds. Essential Endodontology 2nd ed. Blackwell Publishing. Pp. 235-58, 2008.

Torabinejad M, **Sigurdsson A**. Evaluation of Endodontic outcome. In: Torabinejad M and Walton R, eds. Endodontics, Principle and Praticce 4th ed, Saunders Company. Pp: 376-90, 2008.

Sigurdsson A. Diagnosis of Endodontic Disease; C. Laser Doppler Flowmetry. In: Ingle JI, Backland L, and Baumgartner JC eds. Ingle's Endodontics 6th ed. BC Decker Inc, Ontario, Canada. Pp. 547-53, 2008.

Sigurdsson A, Trope M, Civian N. The role of endodontics after dental traumatic injuries. In Cohen S, Hargreaves KM, eds. Pathways of the Pulp 10th ed. St Louis: Mosby Elsevier. Pp. 620-49, 2011.

Debelian G, Trope M, **Sigurdsson A**. Traumatismo Dentário. In Lopes HP, Siqueira JF eds. Endodontia – Biologia e Técnica. Rio de Janeiro: Guanabara Koogan, Pp. 815-49, 2011.

B. Thesis

Sigurdsson A. Effects of experimental noxious stimulation on pain perception in patients suffering from acute pulpal pain. Chapel Hill, North Carolina: University of North Carolina at Chapel Hill, 06/24/1992. 59 p.

C. Journals

Clinical Case Reports and Clinical Technique Articles

* **Sigurdsson A**, Jacoway. Herpes zoster presenting like a toothache. Oral Surg Oral Med Oral Patholog 1995;80:92-5.

* Sonntag K, **Sigurdsson A**. Refractory suppurative apical periodontitis due to cellulose fibers in the periapical tissues. J Pediatric Dent 1996;18:245-7.

Sigurdsson A. Treatment of an Avulsed Tooth. The California Dental Institute for Continuing Education. 1996;57:15-27

Sigurðsson Á. Hvenær á að draga tönn? Tannlæknablaðið (Icelandic Dental Journal). 1997;15:13-9.

Sigurðsson Á. Kvikugreining. Tannlæknablaðið (Icelandic Dental Journal). 1998;16:5-10.

Trope M, Yamauchi S, **Sigurdsson A**. Pulpal diagnosis. Quintessence/Japan 2001;20(4);51-8.

Trope M, Yamauchi S, **Sigurdsson A**. Root canal instrumentation. Quintessence/Japan 2001;20(5);51-8.

* Fillingim RB, Fillingim LA, Hollins M, **Sigurdsson A**, Maixner W. Generalized vibrotactile allodynia in a patient with temporomandibular disorder. Pain 1998;78:75-8.

Sigurðsson Á. Meðhöndlun tannáverka. Tannlæknablaðið (Icelandic Dental Journal). 1999;17:11-20.

- * Lee JY, Yanpiset K, **Sigurdsson A**, Vann WF. Laser Doppler flowmetry for monitoring traumatized teeth. *Dental Traumatol* 2001;17:231-5.

- Trope M, Yamauchi S, **Sigurdsson A**. The principles and clinical cases of root canal obturation. *Quintessence/Japan* 2002;20(7):71-82.

- Trope M, Yamauchi S, **Sigurdsson A**. Concepts of retreatmetns. *Quintessence/Japan* 2002;21(1):119-29.

- Trope M, Yamauchi S, **Sigurdsson A**. Avulsion and replantation. *Quintessence/Japan* 2002;21(4):97-110.

- Trope M, Yamauchi S, **Sigurdsson A**. Luxation injuries. *Quintessence/Japan* 2002;21(6):53-63.

- Trope M, Yamauchi S, **Sigurdsson A**. Root fracture. *Quintessence/Japan* 2002;21(8):93-103.

- Trope M, Yamauchi S, **Sigurdsson A**. Crown Fracture. *Quintessence/Japan* 2002;21(10):85-96.

- Trope M, Yamauchi S, **Sigurdsson A**. Root Resorption; Part 1: Mechanical and general treatment for root resorption. *Quintessence/Japan* 2002;21(12):91-103.

- Trope M, Yamauchi S, **Sigurdsson A**. Root Resorption; Part 2: Mechanical and general treatment for root resorption. *Quintessence/Japan* 2002;22(2):135-46.

- Trope M, Yamauchi S, **Sigurdsson A**. Differential diagnosis between dental origin and others. *Quintessence/Japan* 2003;22(4):99-110.

Research Reports and Literature Reviews

- * **Sigurdsson A**, Stancill R, Madison S. Intracanal placement of Ca(OH)₂: A comparison of techniques. *J Endodon* 1992;18:367-70.

- * **Sigurdsson A**, Maixner W. Effects of experimental noxious stimulation on pain perception in patients suffering from acute toothache. *Pain* 1994;57:265-75.

- * Maixner w, Fillingim RB, Booker DK, **Sigurdsson A**. Sensitivity of patients with painful temporomandibular disorders to experimentally evoked pain. *Pain* 1995;63:341-51.

- * Hollins M, **Sigurdsson A**, Fillingim L, Goble AK. Vibrotactile threshold is elevated in temporomandibular disorders. *Pain* 1996;67:89-96.

- * Fillingim RB, Maixner W, Kincaid S, **Sigurdsson A**, Harris MB. Pain sensitivity in patients with temporomandibular disorders: Relationship to clinical and psychosocial factors. *Clin J Pain* 1996;12:260-9.
- * Maixner W, Fillingim R, Kincaid S, **Sigurdsson A**, Harris BM. Relationship between pain sensitivity and resting arterial blood pressure in patients with painful temporomandibular disorders. *Psychosom Med* 1997;59:503-11.
- * Fillingim RG, Maixner W, **Sigurdsson A**, Kincaid S. Sexual and physical abuse history patients with temporomandibular disorders: Relationship to clinical variables, pain sensitivity and psychological factors. *J Orofacial Pain* 1997;11:48-57.
- * Hollins M, **Sigurdsson A**. Vibrotactile amplitude and frequency discrimination in temporomandibular disorders. *Pain* 1998;75:59-67.
- * Maixner W, Fillingim R, **Sigurdsson A**, Kincaid S, Silva S. Sensitivity of patients with painful temporomandibular disorders to experimentally evoked pain: evidence for altered temporal summation of pain. *Pain* 1998;76:71-81.
- * Fillingim R, Fillingim LA, Hollins M, **Sigurdsson A**, Maixner W. Generalized vibrotactile allodynia in a patient with temporomandibular disorder, *Pain* 1998;78:75-78.
- * Edwards R.R., Fillingim R.B., Yamauchi S., **Sigurdsson A.**, Bunting S.G., Mohorn S.G., Maixner W. The effects of gender and acute dental pain on thermal pain responses. *Clin J Pain*, 1999;15: 233-9.
- * Velvart P, **Sigurdsson A**. Root canal instrumentation with a patency technique. *Prac Period Aest Dent* 1999;11:947-52.
- * Katebzadeh N, **Sigurdsson A**, Trope M. Radoiographic evaluation of periapical healing after obturation of infected root canals: an in vivo study. *Int Endo J* 2000;33:60-6.
- * Shuping GB, Orstavik D, **Sigurdsson A**, Trope M. Reduction of intracanal bacteria using nickel-titanium rotary instrumentation and various medicaments. *J Endodon* 2000;26:751-5.
- * Yanpiset K, Vongsavan N, **Sigurdsson A**, Trope M. Efficacy of laser Doppler flowmetry for the diagnosis of revascularization of reimplanted immature dog teeth. *Dental Trauma* 2001;17:63-76.
- * Hancock HH, **Sigurdsson A**, Trope M, Moiseiwitsch J. Bacteria isolated after unsuccessful endodontic treatment in a North American population. *Oral Surg Oral Med Oral Patholo* 2001;91:579-86.

- * Lee JY, Vann WF, **Sigurdsson A**. Management of avulsed permanent incisors: a decision analysis based on changing concepts. *Pediatr Dent*. 2001;23:357-360.
- * Flores MT, Andreasen JO, Bakland LK, Feiglin B, Gutmann JL, Oikarinen K, Pitt Ford TR, **Sigurdsson A**, Trope M, Vann WF, Andreasen FM. Guidelines for the evaluation and management of traumatic dental injuries.
Part 1: *Dent Traumatol*. 2001;17:1-4.
Part 2: *Dent Traumatol*. 2001;17:49-52.
Part 3: *Dent Traumatol*. 2001;17:97-102.
Part 4: *Dent Traumatol*. 2001;17:145-8.
Part 5: *Dent Traumatol*. 2001;17:193-8.
- * Hollins M, **Sigurdsson A**, Harris KA. Local vibrotactile and pain sensitivities are negatively related in temporomandibular disorders. *J Pain*. 2001;2:46-56.
- * LaBella C, Smith BW, **Sigurdsson A**. Effect of Mouthguards on Dental Injuries and Concussions in College Basketball. *Med Sci Sport Exerc*. 2002;34:41-44.
- * Bragdon E, Light K, Costello N, **Sigurdsson A**, Bunting S, Bhalang K, Maixner W. Group Differences in Pain Modulation: Pain-Free Women Compared to Pain-Free Men and to Women with TMD. *Pain* 2002;96:227-37.
- * Card SJ, **Sigurdsson A**, Orstavik D, Trope M. The Effectiveness of Increased Apical Enlargement in Reducing Intracanal Bacteria. *J. Endodon* 2002;28:779-83.
- * Chaisin-Chattipakorn S, **Sigurdsson A**, Light AR, Narhi M, Maixner W. Trigeminal c-Fos expression and behavioral responses to pulpal inflammation in ferrets. *Pain* 2002;99:61-9.
- * Costello N, Bragdon E, Light K, **Sigurdsson A**, Bunting S, Grewen K, Maixner W. Temporomandibular Disorder and Optimism: Relationships to Ischemic Pain Sensitivity and Interleukin-6. *Pain*. 2002;100:99-110.
- * Booher MA, Wisniewski J, Smith BW, **Sigurdsson A**. Underreporting of Concussions in Division I Collegiate Football. *Clin J Sport Med* 2003;13:93-95.
- * Huuonen S, Lenander-Lumikari M, **Sigurdsson A**, Orstavik D. Healing of apical periodontitis after endodontic treatment: a comparison between a silicone-based and a zinc oxide-eugenol-based sealer. *Int. Endodon J* 2003;36:296-301.
- * Geirsson J, **Sigurdsson A**. Posts in endodontically treated teeth. *J Esthet Restor Dent*. 2003;36:313-8.

- * **Sigurdsson A.** Pulpal Diagnosis. *Endodontic Topics* 2003;5:12-25.
- * Eirksson S, Swift E, Hayman H, Pereira P, **Sigurdsson A.** Effects of blood contamination on resin-resin bond strength. *Dent Mater.* 2004;20:37-44.
- * Eirksson S, Swift E, Hayman H, Pereira P, **Sigurdsson A.** Effects of saliva contamination on resin-resin bond strength. *Dent Mater.* 2004;20:184-90.
- * Edwards RR, Fillingim RB, Maixner W, **Sigurdsson A,** Haythornthwaite J. Catastrophizing predicts changes in thermal pain responses after resolution of acute dental pain. *J Pain.* 2004;5:164-70.
- * Ritter AL, Ritter AV, Murrah V, **Sigurdsson A,** Trope M. Pulp revascularization of replanted immature dog teeth after treatment with minocycline and doxycycline assessed by laser Doppler flowmetry, radiography, and histology. *Dent Traumatol.* 2004;20: 75-84.
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Abstracts

30 published abstract

Additional publishing effort.

- 2000 Production Manager and Associate Project Director on third (CD-ROM) edition of Endodontology, Samuel Seltzer (Author).
- 2001 Visual Endodontic and Traumatology (CD-ROM) book, Associate Editor. M. Happasalo Chief Ed.

GRANTS

- 08/1990: The Research and Education Foundation of the American Association of Endodontists; \$1,500.00; 'Pain perception in patients with pulpal pain'.
- 09/1990: The School of Dentistry (Small Grants), University of North Carolina at Chapel Hill; \$3,750.00; 'Pain perception in patents with pulpal pain'.
- 05/1994: The Research and Education Foundation of the American Association of Endodontists; \$3,531.00; 'Effects of the submaximal tourniquet procedure on capsaicin induced hyperalgesia'.
- 09/1997: Role of CNS - Adaptive mechanisms in orofacial sensation. Program-project grant. Program Clinical Director; Subproject 5 (Clinical core) and co-investigator on Subproject 4 (Somatosensory channel interactions in trigeminal nerve-injured patients, PI: Essick G) 20% effort. Total budget for Subproject 4 \$498,864.00 and Subproject 5 \$644,135.00 over period of 5 years. - NIH Program Grants
- 03/1997: The American Association for Dental Research (Student Grants). \$2,400. Co-sponsor with Dr. Miles Chrenshaw. Student Mr. Thuan Q. Le. 'Immobilized phosvitin as a root-end filling material'.
- 05/1998: American Association of Endodontists Foundation (Student Grants). \$ 4,663. Sponsor and mentor for student, Dr. Patricia Gonzales 'C-fos and dynorphin response after pulpal stimulation'.
- 05/1998: NIOM/Roeko: \$11,900.00 'Clinical Performance of Roeko Seal Compared with Grossman's sealer as Root Canal Filling Materials in the Treatment of Chronic Apical Periodontitis'. PI: Sigurdsson (3% effort).
- 07/2002 American Association of Endodontists Foundation (Student Grants). \$ 2,097. Sponsor and mentor for student, Dr. J. Wisniewski 'Cerebral Concussions and Dental Injuries: Incidence Associated with Types of Mouthguards Worn.'
- 07/2002 American Association of Endodontists Foundation (Student Grants). \$ 5,953. Sponsor and mentor for student, Dr. R. McGurkin 'Reduction of intracanal bacteria using GT rotary instrumentation, 5.25% NaOCl irrigation, EDTA and Ca(OH)₂