

Eric Peter Holmgren



Education

University of California at Santa Barbara

1990-1994: Mechanical Engineering (BS)

University of Vermont

1994-1995: Mechanical Engineering (MS)

University of Pennsylvania

1996-2000: Doctor of Dental Medicine (DMD)

Oregon Health and Sciences University

2000-2004: Doctor of Medicine (MD)

2004-2005: General Surgery Residency

2000-2006: Oral and Maxillofacial Surgery Residency Training

Journal Publications

1. **Holmgren EP**, Bagheri SC, Bell RB, Bobek S, Dierks EJ. Utilization of tracheostomy in craniomaxillofacial trauma at a level-1 trauma center. *J Oral Maxillofac Surg.* Oct;65(10):2005-10, 2007.
2. Bagheri SC, Dierks EJ, Kademani D, **Holmgren EP**, Bell RB, Potter BE. Application of a Facial Injury Severity Scale (FISS) in Cranio-Maxillofacial Trauma. *J Oral Maxillofac Surg.* Aug;64(3):408-414, 2005.
3. **Holmgren E**, Dierks E, Assael L, Bell R, Potter B. Facial Soft Tissue Injuries as an Aid to Ordering a Combination Head and Facial CT in Trauma Patients. *J Oral Max Surg.* 63(5):651-4, 2005.
4. **Holmgren EP**, Dierks EJ, Potter BE. Facial Computed Tomography Use in Trauma Patients Who Require a Head Computed Tomogram. *J Oral Max Surg.* 62(8):913-18, 2004.
5. Bagheri SC, **Holmgren EP**, Lennox N, Verschueren D, Kademani D, Bell RB, Dierks EJ. Abstracts from the AAOMS annual scientific meeting - proportion published and time to publication. *J Oral Maxillofac Surg.* 63(6):838-840, 2005.
6. Bagheri SC, **Holmgren EP**, Kademani D, Bell RB, Potter BE, Dierks EJ. Comparison of the Severity of Bilateral Le Fort Injuries in Isolated Midface Trauma. *J Oral Max Surg.* Aug;63(8):1123-9, 2005.
7. Kademani D, Bagheri SC, **Holmgren EP**, Bell RB, Potter BE, Dierks EJ. The influence of histologic grade in intraoral squamous cell carcinoma. *J Oral Maxillofac Surg.* Nov;63(11):1599-605, 2005.
8. **Holmgren E**, Le B, Holmes J, Ueek B, Dierks E. "Referral Patterns for the Treatment of Facial Trauma in Teaching Hospitals in the United States". *J Oral Maxillofac Surg.* 2003 May; 61(5): 557-60.
9. Le B, Eyre J, **Holmgren E**, Dierks E. "A Tracheostomy Complication Resulting from Acquired Tracheomalacia: Case Report". *Journal of Trauma.* 2001; 50:120-123.
10. Silverstein K, Costello BJ, **Holmgren E**, Quinn P. "The Treatment of Traumatic Mandibular Fracture Nonunion". AO ASIF (Association for the study of internal fixation) maxillofacial internet case of the quarter. www.aona.com. Fall 1999.
11. **Holmgren E**, Seckinger R, Kilgren L, Mante F. "Evaluating Parameters of Osseointegrated Dental Implants Using Finite Element Analysis - a two-dimensional comparative study examining the effects of implant diameter, implant shape and load direction". *Journal of Oral Implantology.* Vol 24(2). 1998.

Abstracts

1. **Holmgren EP**, Bagheri SC, Dierks EJ. Tracheostomy in Maxillofacial Trauma Patients. International Association of Oral and Maxillofacial Surgeons – Vienna, Austria. August 2005.

2. Bagheri SC, Dierks EJ, Kademani D, **Holmgren EP**, Bell RB, Potter BE. Application of a Facial Injury Severity Scale (FISS) in Cranio-Maxillofacial Trauma. American College of Surgeons. October, 2004.
3. Kademani D, Bagheri SC, **Holmgren EP**, Bell RB, Potter BE, Dierks EJ. The influence of histologic grade in intraoral squamous cell carcinoma. American Association of Oral and Maxillofacial Surgeons, 86th Annual Meeting. San Francisco, CA. October 2004. Submitted for publication June 18, 2004 (JOMS).
4. **Holmgren E**, Bobek S, Myall RT. Surgeon's Role in Recognizing and Managing Congenital Impediments to Suckling. American College of Oral and Maxillofacial Surgeons, 25th Annual Meeting. Hollywood, Florida. April 2004.
5. Dierks EJ, **Holmgren E**, Bell RB and Potter, BE. Emergency Tracheotomy; Morbidity and Mortality. International Association of Oral and Maxillofacial Surgery, 16th Annual Meeting. Athens, Greece. May 2003.
6. **Holmgren E**, Dierks E, Potter B. Facial Soft Tissue Injuries as an Aid to Ordering a Combination Head and Facial CT in Trauma Patients. American Association of Oral and Maxillofacial Surgeons, 85th Annual Meeting. Orlando, Fl. October 2003.
7. **Holmgren E**, Dierks E, Potter B. Facial CT Utilization in the Trauma Patient who gets a Head CT. American Association of Oral and Maxillofacial Surgeons, 84th Annual Meeting. August 2002, Suppl 1, Volume 60, Number 8. Chicago, Illinois. October 2002.
8. **Holmgren E**, Le B, Holmes J, Ueeck B, Dierks E. Referral Patterns for the Treatment of Facial Trauma in Teaching Hospitals and Community Hospitals in the United States. American College of Oral and Maxillofacial Surgeons, 22nd Annual Meeting. Las Vegas, Nevada. May 2001.
9. **Holmgren E**, Reinbold F, Le B, Dierks E. Pediatric Mandible Fractures. American College of Oral and Maxillofacial Surgeons, 22nd Annual Meeting. Las Vegas, Nevada. May 2001.
10. Deeb G, Dierks E, **Holmgren E**. Use of CT in Diagnosing Nasal Fractures. American Association of Oral and Maxillofacial Surgeons, 82nd Annual Meeting. San Francisco, CA. October 2000.
11. **Holmgren E**, Mante F. Stresses in Post and Core Restorations Using Finite Element Analysis. Journal of Dental Research. Vol 78 Special Abstract issue #934. Presented at the International Association of Dental Research. Vancouver, Canada. March 1999. and invited speaker at the Liberty Dental Conference. Philadelphia, PA. March 1999.
12. **Holmgren E**, Seckinger R, Kilgren L, Mante F. Evaluating Parameters of Osseointegrated Dental Implants Using Finite Element Analysis. Invited speaker for the Student Clinicians of the American Dental Association at the American Dental Association Meeting Competition. Second Place Winner. San Francisco, CA. October 1998.
13. **Holmgren E**, Seckinger R, Kilgren L, Mante F. Evaluating Parameters of Osseointegrated Dental Implants Using Finite Element Analysis. American Association of Dental Research. Minneapolis, MN. March 1998.

Book Chapters

- ◆ Essential Cases in Oral and Maxillofacial Surgery. Elsevier publications. My chapters are on Botox, Frontal Sinus fractures, Ameloblastoma, and Dry Socket.

Licenses

- ◆ Dental License: Oregon, Vermont, Massachusetts
- ◆ Medical License: Vermont, Massachusetts
- ◆ Western Regional Dental Board Examination Passing Grade, May 2001
- ◆ ACLS, ATLS and BLS - currently active

Professional Memberships and Affiliations

- ◆ Journal of Oral and Maxillofacial Surgery selected article reviewer
- ◆ ADA, Massachusetts Dental Society (MDS)
- ◆ AAOMS – American Association of Oral and Maxillofacial Surgeons
- ◆ OSOMS – Oregon Society of Oral and Maxillofacial Surgeons
- ◆ IAOMS – International Association of Oral and Maxillofacial Surgeons

- ◆ *Pi Tau Sigma* - National Mechanical Engineering Honors Society. Member and 1993 UC Santa Barbara chapter Secretary

Skills

- ◆ Surgical: Full scope oral and maxillofacial surgery - dentoalveolar, implant, orthognathic, trauma, reconstructive, and oncologic/pathologic surgery.
- ◆ Patient Care: General surgery training including two months of full time senior level trauma intensive care unit experience and surgery specialty training in Neurologic, Vascular, general Oncologic, Orthopaedic, and Transplant surgery.
- ◆ International Training: University of Aachen, Germany – visiting resident January 2005.

Awards/Honors

- ◆ Ten under Ten award – Spring 2009. Massachusetts new Dentist Award for service and contribution to Massachusetts Dentistry. massdental.org/10under10.
- ◆ The Academy of Dental Materials Science Award. University of Pennsylvania School of Dental Medicine. May 2000.
- ◆ Quintessence Research Award. University of Pennsylvania School of Dental Medicine. May 2000.
- ◆ The American Dental Society of Anesthesiology Award. University of Pennsylvania School of Dental Medicine. May 2000.
- ◆ 1999 Dean's Research Scholar - University of Pennsylvania School of Dental Medicine.
- ◆ Winner of the International Association of Dental Research and American Association of Dental Research (IADR/AADR) Implant Research Group's Young Investigator Award for 1998.
- ◆ Second Place winner of the clinical science and technique category of the SCADA/Dentsply competition. ADA conference in San Francisco (featured in the November issue of the ADA news). October 1998.
- ◆ First Place Winner of the University of Pennsylvania Oral Health Fair. Selected as University of Pennsylvania representative for 1998 ADA conference SCADA/Dentsply national student clinician competition in San Francisco. April 1998.
- ◆ Prize Winner at the Liberty Dental Conference. Research poster competition. March 1999.
- ◆ Graduate Teaching Fellowship Award. Supported mechanical engineering teaching assistant position at University of Vermont. 1995.
- ◆ Dean's List of Scholastic Excellence. University of California Santa Barbara 1993, Winter 1994, Spring 1994.
- ◆ Undergraduate Material Science Research Fellowship Award. UC Santa Barbara money award to pursue mechanical engineering research utilizing the Atomic Force Microscope. August 1993 – June 1994.

Other Experience and Leadership

- ◆ Qualcomm, Inc. Engineer - *San Diego, CA*.
Engineer for a multifaceted, wireless communications corporation. My main tasks involved managing suppliers of mechanical components, extensive traveling, and assisting in the design and implementation of Qualcomm-specific communications hardware for manufacturing feasibility. 1995-1996.
- ◆ Graduate Biomechanic Researcher - *Burlington, VT*
Performed biomechanical research involving computer modeling, tool design, and animal experimentation applied to knee joint studies at the University of Vermont. Graduate research/paper topics were: Sagittal Plane computer model of the knee – *Analysis of tibio-femoral joint characteristics and the importance of the cruciate ligament and quadriceps effects*; Effects of ACL freezing on knee laxity and a feasibility study on ACL tensioning – *A pilot study on goats*. 1994-1995.
- ◆ Graduate Teaching Fellowship - *Burlington, VT*
Teaching assistant for two undergraduate courses at the University of Vermont: *Mechanical Design* and *Strengths of Materials*. The fellowship required teaching problem solving sessions and classes, grading tests and homework, and holding office hour tutorial sessions with undergraduates.
- ◆ Undergraduate Research Intern - *Santa Barbara, CA*.
Granted a research scholarship by the material research laboratory to learn and execute topographical experiments using the Atomic Force Microscope in a mechanical engineering lab at UCSB. 1993-1994.
- ◆ Senior Design Group - *Santa Barbara, CA*.
Created design ideas for an attachment to a high-speed bone drill for a biomedical engineering corporation, Hall Medical. Part of Senior Engineering Design Project at UCSB.