

## **Joshua D. Hornig**

### **EDUCATION**

- 2004-2005 Fellow in Facial Plastics, Microvascular Reconstruction and Head & Neck Oncology  
Medical University of South Carolina, Department of Otolaryngology  
Charleston, SC
- 1999-2004 Resident in Otolaryngology, Head and Neck Surgery  
University of Alberta, Department of Surgery  
Edmonton, AB
- 1995-1999 Doctor of Medicine with Distinction and Honors in Research  
University of Alberta, Faculty of Medicine and Oral Health Sciences  
Edmonton, AB
- 1991-1995 Bachelor of Science in Chemistry with Distinction  
University of Alberta, Faculty of Science  
Edmonton, AB

### **CONTINUING MEDICAL EDUCATION**

- 2004 Free Tissue Transfer for Major Ablative Defects of the Head and Neck  
St. Louis University  
St. Louis, Missouri
- 2004 Reconstruction of Head and Neck Defects Utilizing Microvascular Free Flaps  
Mt. Sinai University  
New York, New York
- 2002 Temporal Bone Dissection Course  
University of Michigan  
Ann Arbor, Michigan

### **HONORS AND AWARDS**

- 2004 Advanced Head & Neck Reconstructive Bursary
- 2002 Xomed-Medtronic Award for Academic Excellence
- 1999 AE Bowie Scholarship  
➤ for superior academic achievement in Otolaryngology
- 1996-1999 First Class Standing for Doctor of Medicine Program
- 1995 & 1996 Alberta Heritage Research Scholarship  
➤ research grant for summer research
- 1995-1996 College of Physicians and Surgeons of Alberta Bursary  
➤ presented for academic excellence
- 1994-1995 Louise McKinney Scholarship for Academic Excellence  
➤ presented for placing in the top 2% of the Faculty of Science
- 1994 Natural Sciences and Engineering Research Council Grant  
➤ research grant for Chemistry research

- 1991-1994      Dorch Brothers Scholarship  
                  ➤ presented for academic excellence in the Faculty of Chemistry
- 1991-1995      American Lutheran Life Scholarship  
                  ➤ awarded for excellence in both academics and athletics
- 1992-1995      Dean's Honor Roll in the Faculty of Science

### **CERTIFICATIONS**

- 2005            Board Certification from the American Board of Otolaryngology
- 2004            Fellow of the Royal College of Physicians and Surgeons of Canada in  
                  Otolaryngology-Head and Neck Surgery
- 2001            Royal College of Physicians and Surgeons of Canada  
                  Principles of Surgery Exam
- 2000            Licentiate of the Medical Council of Canada (LMCC)
- 2001            Medical Council of Canada Qualifying Examination  
                  Part II
- 1999            Medical Council of Canada Qualifying Examination  
                  Part I
- 1996            U.S.M.L.E. Part I

### **MEMBERSHIPS AND COMMITTEES**

American Academy of Otolaryngology-Head and Neck Surgery  
American Medical Association  
Canadian Medical Association  
Royal College of Physicians and Surgeons  
Residency Training Committee  
Alberta Society of Otolaryngology  
Canadian Society of Otolaryngology

## LEADERSHIP AND TEACHING EXPERIENCE

- 2005-present Instruct the fellow in microvascular reconstructive surgery on a daily basis
- 2004-2005 Fellow in Facial Plastics Microvascular Reconstruction and Head & Neck Oncology
- 2004-present Principal developer of a Microvascular Research Facility
- 2004-present Daily Teaching on Rounds with Residents and Medical Students
- 2004-present Weekly Teaching Seminars to in Otolaryngology-Head & Neck Surgery Residents
- instruction in a lecture series for board preparation
- 2003-2004 Chief Resident
- 2003-present Senior resident representative, Residency Training Committee
- faculty-resident liaison evaluating and providing input into resident training
- 2000-2001 Junior resident representative, Residency Training Committee
- 2000-present Instructor, History and Physical Examination Skills
- act as a preceptor in a year long skill based course
- 1999-present Instructor, Surface Anatomy Small Groups
- act as a preceptor to medical students over the course of a year

## GRANTS

Hornig J, Liu R. The Use of Intratympanic Dexamethasone in the Treatment of Ménière's Disease. Otolaryngology education and research fund (U of A). \$1,500. (2002-2003)

Diamond C, Hornig J, Liu R. A Systematic Review of Intratympanic Gentamicin for Ménière's disease. Otolaryngology education and research fund (U of A). \$1,500. (2002-2003)

## TEXTBOOKS/CHAPTERS

Skoner J, Hornig JD, Day TA. Reconstruction of Partial Glossectomy Defects. In: Day TA, Girod DA eds. Oral Cavity Reconstruction. New York: Taylor & Francis, 2006:205-222

## PUBLICATIONS

Day T, Hornig JD, Sharma A, Rumboldt Z, Davis B, et al. Melanoma of the Head and Neck. Current Treatment Options Oncology 2005; 6(1):19-30.

Hornig J, Seikaly H, Harris J, Reiger J, Chowdury R. A Prospective Analysis of Functional and Mortality Outcomes of Oropharyngeal patients treated with Primary Surgery

- Manuscript under review

Hornig J, Liu R. The Use of Intratympanic Dexamethasone in the Treatment of Meniere's Disease. *Journal of Otolaryngology*

- Accepted for publication

Diamond C, Hornig J, Liu R. A Systematic Review of Intratympanic Gentamicin for Meniere's disease. *Journal of Otolaryngology*. 32(6):351-61, 2003 Dec.

Cree M, Soskolne CL, Belseck E, Hornig J, McElhaney JE, Brant R, Suarez-Almazor M. Mortality and institutionalization following hip fracture. *Journal of the American Geriatrics Society*. 48(3):283-8, 2000 Mar.

## PRESENTATIONS

The Utility of Rapid Prototype modeling in Surgical Decision Making and Reconstructive Options  
Second International Conference: Advanced Digital Technology in Head and Neck  
Reconstruction in Banff, Alberta 2005

A Prospective Analysis of Functional and Mortality Outcomes of Oropharyngeal patients treated with  
Primary Surgery  
Canadian Society of Otolaryngology-Head and Neck Surgery Meeting in Quebec City, 2004

The Use of Intratympanic Dexamethasone in the Treatment of Meniere's Disease.  
Canadian Society of Otolaryngology-Head and Neck Surgery Meeting in Calgary, 2003

The Use of Intratympanic Dexamethasone in the Treatment of Ménière's Disease.  
Alberta Society of Otolaryngology-Head and Neck Surgery Meeting in Lake Louise, 2003

A Systematic Review of Intratympanic Gentamicin for Ménière's disease.  
Canadian Society of Otolaryngology-Head and Neck Surgery Meeting in Calgary,  
Diamond C, Hornig J, Liu R.

A Systematic Review of Intratympanic Gentamicin for Ménière's disease.  
Alberta Society of Otolaryngology-Head and Neck Surgery Meeting in Lake Louise, 2003.  
Diamond C, Hornig J, Liu R.

Intratympanic Dexamethasone.  
Alberta Society of Otolaryngology-Head and Neck Surgery Meeting in Lake Louise, 2002

## CURRENT RESEARCH PROJECTS

The Utility of Rapid Prototype modeling in Surgical Decision Making and Reconstructive Options.  
Extracapsular nodal spread: The prognostic significance

Co-investigator: Dr. Terry Day

Locking 2.0 plating system for mandibular reconstruction: An outcomes analysis

Supervisor: Terry Day

Deep Inferior Epigastric Perforator Flaps for Advanced Head and Neck Reconstruction

Supervisor: Dr. Terry Day and Dr. Klein

Randomized Controlled Trial Comparing Free Tissue Transfer to Local Closure in Patients Undergoing  
Total Laryngectomy Following Radiation Failure

Randomized Controlled Trial Comparing the Effectiveness of Tisseel in decreasing Postoperative  
Bleeding in Thyroidectomy patients.