

## CURRICULUM VITAE

**Name:** Edward J. Shin, M.D.

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NY, NY 10013  
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**Date of Birth:** August 23, 1970

**Marital Status:** Married

**Military:** N/A

### EDUCATIONAL/ ACAMEDIC HONORS AND AWARDS

1988-1992 Bristol-Myers Squib National Merit Scholarship  
1988-1992 Echols Scholar  
1989 University of Virginia: Intermediate Honors  
1990-1992 University of Virginia: Participant in Distinguished Majors Program in Biology  
1991-1992 Howard Hughes Research Apprentice  
1992 2<sup>nd</sup> Place at Katz Undergraduate Research Symposium  
1992 Samuel Miller Scholarship for Excellence in the Biological Sciences  
1992-1993 Stanford Medical Scholar's Program  
2002 Resident Travel Grant to American Academy of Otolaryngic Allergy  
2004 Teacher of the Year, Department of Otolaryngology, Mount Sinai  
2007 Teacher Award, Department of Otolaryngology, Mount Sinai  
Graduating Class of 2007

### EDUCATION

Sept 1988- June 1992 University of Virginia  
BA with High Honors  
PO Box 400203  
Charlottesville, Virginia 22904

Sept 1992- June 1997 Stanford School of Medicine  
M.D.  
251 Campus Drive, MSOB x341  
Stanford, California 94305

July 1997- June 1998 Internship: General Surgery  
Box 0470 S 343  
Department of General Surgery

University of California, San Francisco  
San Francisco, California  
Chairwoman: Dr. Nancy Ascher

July 1998- June 2002      Residency: Otolaryngology  
400 Parnassus Ave, Suite A-730  
Department of Otolaryngology-Head and Neck Surgery  
University of California, San Francisco  
San Francisco CA 94143-0342  
Chairman: Dr. David Eisele

### **POST-GRADUATE TRAINING**

2000                      Training in Clinical Research, Clinical Research Workshop,  
UCSF  
2003                      Clinical Gene Transfer Comprehensive Review Course,  
American Society of Gene Therapy, Washington, DC, June  
3-4, 2003  
2003-2004              Masters in Clinical Research, Mount Sinai School of  
Medicine, NY  
2005                      Investigator Training Program, Metropolitan Hospital, NY

### **HOSPITAL APPOINTMENTS**

Dec 2007- present      Assoc Attending  
Department of Otolaryngology  
New York Eye and Ear Infirmary  
New York, New York 10013  
  
July 2003-Dec 2007      Regional Director  
Department of Otolaryngology  
Elmhurst Hospital Center and Queens Hospital Center  
Elmhurst, New York 11373  
  
October 2002  
to June 2003              Clinical Assistant  
Department of Otolaryngology  
Elmhurst Hospital Center  
Elmhurst, New York 11373  
  
October 2002  
to June 2003              Clinical Assistant  
Department of Otolaryngology  
Queens Hospital Center  
Jamaica, New York 11432

### **ACADEMIC APPOINTMENTS**

Dec 2007- Present            Associate Professor  
New York Medical College

July 2003-Dec 2007        Assistant Professor  
Department of Otolaryngology  
Mount Sinai School Of Medicine  
New York, New York 10029

September 2002  
to June 2003                Clinical Instructor  
Department of Otolaryngology  
Mount Sinai School Of Medicine  
New York, New York 10029

### **BOARD CERTIFICATION**

May 2003                      Certified, American Board of Otolaryngology

### **FELLOWSHIP, AWARDS, GRANTS AND CONTRACTS**

**Shin EJ**, Menaker M, Vogelbaum M: Neural Transplantation of SCN in Mice. Presented at Katz Undergraduate Research Symposium, 1992. 2<sup>nd</sup> place.

**Shin EJ**, Choi B, Ebert O, Chang JI, Genden E, Woo S Interferon-alpha Protects Head and Neck Squamous Cells from Oncolytic Vesicular Stomatitis Virus in a Dose-dependent Manner. Presented at COSM, May 2005, awarded 2<sup>nd</sup> prize.

### **LICENSURE**

May 2001                      DEA Number BS6700430  
March 2002                    New York State License Number 224219

### **PROFESSIONAL SOCIETY MEMBERSHIP**

1997-present                American Medical Association  
1998-present                American Academy of Otolaryngology-Head and Neck  
Surgery  
2004-present                New York Head and Neck Society  
2004-present                American College of Surgeons

### **SERVICE TO PROFESSIONAL PUBLICATIONS**

2000                            Ad Hoc Reviewer, ENT Journal  
2004                            Ad Hoc Reviewer, Hong Kong Council of Grants

2005

Reviewer, Laryngoscope Journal

## **EDUCATIONAL ACTIVITIES**

### **Medical Students**

#### **Teaching:**

2002-present      Teaching Mount Sinai Medical Student  
2 hours per week

#### **Curriculum Development:**

1993-1994      Teaching Assistant of Molecular Biology  
5 hours per week

### **Residents**

#### **Teaching:**

2002-present      Weekly formal teaching on otolaryngology  
2 hours per week

#### **Curriculum Development:**

2002-present      Instituted self teaching curriculum on otolaryngology

2001-2002      Organized Grand Rounds  
1 hour per week

2001-2002      Setting up anatomy course  
1 hour per week

2001-2002      Assisted Clinical Exam for Head and Neck  
1 hour per week

## **ADMINISTRATIVE RESPONSIBILITIES**

2003-2007      Medical Board, Elmhurst Hospital Center  
2003-2007      Surgical Evaluation Committee, Elmhurst Hospital Center  
2003-2007      Chairman, Otolaryngology Quality Management Committee,  
Elmhurst Hospital Center  
2003-2007      Electronic Medical Records-Design and implementation of  
electronic medical record specific for Otolaryngology  
Outpatient/Consult/inpatient services at Queens and  
Elmhurst hospitals

2003-2007	Equipment revitalization at Elmhurst Clinics. Acquired 2 new Zeiss wall mounted microscopes, Mindstream console capable of taking digital fotos and video. Continued repair and upgrades to endoscopic equipment, and clinical equipment. (total cost roughly \$90,000)
2003-2007	Additional exam room constructed and equipped for increased patient flow.
2004-2007	OR Utilization Committee, Elmhurst Hospital Center
2004-2007	RTOG Head and Neck Subcommittee for Translational Research
2004-2007	OR Scheduling. Design pilot and implementation of electronic medical record OR scheduling to aid in streamlining clearance process of indigent population. Now being implemented across all surgical services at Elmhurst Hospital
2004-2007	Departmental increase in Operative time. Negotiated increase of 1 full day in operative time with the opening of new operating rooms
2004-2007	Acquisition of new OR equipment. Systematic replacement and increase of new operative sets. Obtained 2 <sup>nd</sup> Head and Neck Set. Medialization Laryngoplasty Set. Two New Sinus Sets with Endoscopes and Frontal Sinus Set to supplement intraoperative imaging system and resident training(GE instatrak).
2004-2007	Cost Saving initiative for Craniofacial and Mandibular sets resulting in over \$100,000 saving for the hospital.
2004-2007	Implementation of Surgitrack. Online program to track and streamline financial and anesthesia clearance process.
2006-2007	Patient Safety Committee, Elmhurst Hospital Center

#### **INVITED LECTURES:**

Sinonasal malignancy and orbital preservation: Does IMRT make a difference? Grand Rounds, Mount Sinai Department of Otolaryngology, **New York, NY** January 2003.

The Role of Combined Modality Therapy in Locally Advanced Squamous Cell Carcinomas of the Head and Neck. Grand Rounds Mount Sinai Department of Otolaryngology, **New York, NY** July 2004.

The Basis of Immune Dysfunction in Head and Neck Cancer Patients Department of Gene Therapy and Molecular Medicine, Mount Sinai School of Medicine, **New York, NY** August 2004.

The Neck. 3<sup>rd</sup> International Target Delineation Symposium for IMRT/3D CRT Treatment Planning, Organized by The University of Texas MD Anderson Cancer Center, **Vail, Colorado** February 2005.

Oral Cavity and Oropharynx Cancer. 3<sup>rd</sup> International Target Delineation Symposium for IMRT/3D CRT Treatment Planning, Organized by The University of Texas MD Anderson Cancer Center, **Vail, Colorado** February 2005.

Thyroid Malignancy. Presented at 3<sup>rd</sup> International Target Delineation Symposium for IMRT/3D CRT Treatment Planning, Organized by The University of Texas MD Anderson Cancer Center, **Vail, Colorado** February 2005.

The Neck. IMRT Symposium. Taipei University, **Taipei, Taiwan** June 2005.

Surgical Perspective: Oral Cavity and Oropharynx. IMRT Symposium. Taipei University, **Taipei, Taiwan** June 2005.

Oral Cavity and Oropharynx Cancers. Presented at 4<sup>th</sup> International Target Delineation Symposium for IMRT/3D CRT Treatment Planning, organized by The University of Texas MD Anderson Cancer Center, **Half Moon Bay, California** February 2006.

Oral Cavity Carcinoma. IMRT Symposium. Taipei University, **Taipei, Taiwan** March 2006.

Oral Cavity Cancer RGCON 6<sup>th</sup> Annual International Conference: Head and Neck Cancer, **Delhi, India** March 2006.

Management of parapharyngeal space tumors. XVI Congreso Integrado Latinoamericano de Cancerologia, XII Congreso Venezolano de Oncologia y VI Congreso Venezolano de Radioterapia Oncologica, **Margarita Island, Venezuela** October 2006

HPV in the the etiology of head and neck cancers. XVI Congreso Integrado Latinoamericano de Cancerologia, XII Congreso Venezolano de Oncologia y VI Congreso Venezolano de Radioterapia Oncologica, **Margarita Island, Venezuela** October 2006

Cancer of the Salivary Glands. 16<sup>th</sup> Annual Course Minimally Invasive and Endoscopic Head and Neck Surgery. Contemporary Approaches to Head and Neck Surgery. Mount Sinai School of Medicine, **New York, NY**, February 2007.

Cancer of the Salivary Glands. Resident teaching rounds. Department of Radiation Oncology. Mount Sinai School of Medicine, **New York, NY** March 2007.

HPV and Head and Neck Cancer, UCSF Otolaryngology Update, **San Francisco, California** November 2007.

Use of PET/CT in the Management of Head and Neck Cancer, UCSF Otolaryngology Update, **San Francisco California** November 2007

HPV and Head and Neck Cancer, Montefiore Medical Center Grand Rounds, **Bronx, NY** March 2008.

## BIBLIOGRAPHY:

### PEER-REVIEWED PUBLICATIONS:

1. Lin YH, **Shin EJ**, Campbell MJ, Niederhuber JE: Transcription of the *blk* Gene in Human B Lymphocytes is Controlled by Two Promoters. *J Biol Chem*, 270(43):25968-25975.
2. Utley DS, **Shin EJ**, Terris DJ: A Rational and Cost Effective Approach to the Treatment of Snoring, the Upper Airway Resistance Syndrome, and Mild and Moderate Obstructive Sleep Apnea Syndrome. *Laryngoscope*, 107:726-734, 1997.
3. **Shin EJ**, Murr A: Managing Epistaxis. *Current Opinion in Oto-HNS*, 8:37-42, 2000.
4. **Shin EJ**, Lalwani AK, Dowd CF: Role of Angiography in the Evaluation of Patients with Pulsatile Tinnitus. *Laryngoscope*, 2000;110(8):1346-8.
5. Mafong DD, **Shin EJ**, Lalwani AK: Evaluation of children with SNHL. *Laryngoscope*, 2002 112(1):1-7.
6. **Shin EJ**, Guertler N, Kim E, Lalwani AK: Screening of middle ear effusion for the common sinus pathogen *Bipolaris* *Euro Arch of Oto-Rhino-Laryngol* 2003 Feb: 260(2):78-80.
7. Xia P, Lee N, Liu Y-M, Poon I, Akazawa P, Quivey JM, **Shin EJ**, Verhey LJ: A Study of Standardized Planning Constraints for Treatment of Nasopharyngeal Carcinoma Using a Commercial Inverse Treatment Planning System. *Int J Radiat Oncol Biol Phys*. 2004 Jul 1:59(3):886-96.
8. Gurney TA, Eisele DW, Weinberg V, **Shin EJ**, Lee N Adenoid cystic carcinoma of the major salivary glands treated with surgery and radiation. *Laryngoscope*. 2005 Jul;115(7):1278-82.
9. **Shin EJ**, Chang JI, Choi B, Ebert O, Genden E, Woo S Fusogenic vesicular stomatitis virus for the treatment of head and neck squamous carcinomas. *Otolaryngol Head Neck Surg*. 2007 May 136(5):811-7.
10. **Shin EJ**, Wanna G, Choi B, Ebert O, Genden E, Woo S Interleukin-12 expression enhances vesicular stomatitis virus oncolytic therapy in murine squamous cell carcinoma. *Laryngoscope* 2007 Feb:117(2) 210-4.
11. Sung K, Wanna G, Choi B, Genden EM, **Shin EJ** VSV and cisplatin eradicates squamous cancer cells. *Laryngoscope*. 2008 Feb:118(2)237-242.

12. Adappa N, Choi B, Sung K, **Shin EJ** Combined adenoviral based immunotherapy in the treatment of head and neck cancer *Laryngoscope*(accepted with minor revision).
13. Schaberg M, Lin F, Teng M, **Shin EJ** Strangulation and hanging injuries, evaluation and management. (submitted)
14. Nurse L, Teng M **Shin EJ** A case report: floor of mouth schwannoma. *Archives of Otolaryngology*(MS in preparation)
15. Addapa N Chang J, Teng M, **Shin EJ** Kaposi's Sarcoma of the Supraglottis: Pathology and Imaging Quiz. *Archives of Otolaryngology*(Accepted with minor )
16. Lee N., **Shin EJ**. Synovial Sarcoma of the Head and Neck. *Expert Review of Anticancer Therapy* (Accepted for publication)

### Book Chapters

1. **Shin EJ**: Management of tumors in the parapharyngeal space. In: Lalwani, *Current Diagnosis & Treatment in Otolaryngology-Head & Neck Surgery*. McGraw Hill, 2004.
2. Lee N, **Shin EJ**: Skull base tumors and Radiation Therapy In Cummings , *Otolaryngology/Head & Neck Surgery* (Mosby) 2004.
3. **Shin EJ**: Management of tumors in the parapharyngeal space. In: Lalwani, *Current Diagnosis & Treatment in Otolaryngology-Head & Neck Surgery*(2<sup>nd</sup> edition). McGraw Hill, (in press).

### ABSTRACTS (Presented at National meetings):

Lien TH, **Shin EJ**, Campbell MJ, Niederhuber JE: Immunotherapy of Lung Cancer with Il-2 Producing, Xenogeneic Cells Encapsulated in Microspheres. Presented at Third International Meeting for Gene Therapy of Cancer, 1995.

Utlely DS, **Shin EJ**, Terris DJ: A Rational and Cost Effective Approach to the Treatment of Snoring, the Upper Airway Resistance Syndrome, and Mild and Moderate Obstructive Sleep Apnea Syndrome. Presented at the Combined Otolaryngology Spring Meeting, 1996.

Yao M, **Shin EJ**, Utlely DS, Terris DJ: Cephalometry and the Prediction of Outcomes in Patients with Obstructive Sleep Apnea. American Academy of Otolaryngology – Head and Neck Surgery, September 1997.

Johnson J, **Shin EJ**, Bikhazi N, Lee KC, Mandpe AH: Outpatient Tonsillar Biopsy Safely Determines HIV Viral Load. Presented at Annual Meeting of American Academy of Otolaryngology – Head and Neck Surgery, New York, NY, September 1999.

Lee KC, **Shin EJ**, Mandpe AH, Bikhazi N: The Use of Coblation Technology for Traditional Tonsillectomy. Presented at Annual Meeting of American Academy of Otolaryngology – Head and Neck Surgery, New York, NY, September 1999.

**Shin EJ**, Lalwani AK, Dowd C: Role of Angiography in the Evaluation of Patients with Pulsatile Tinnitus. Presented at the Combined Otolaryngology Spring Meeting, Orlando, Florida, 2000.

**Shin EJ**, Mandpe A, Tsung K, Norton JA: Interleukin-12 partially eradicates established SCC VII. Presented at the Combined Otolaryngology Spring Meeting, Palm Desert, CA 2001.

**Shin EJ**, Mafong D, Lalwani AK: Evaluation of children with SNHL. Presented at the Combined Otolaryngology Spring Meeting, Palm Desert, 2001.

**Shin EJ**, Kim E, Catten M, Lalwani AK: PCR assay for Bipolaris. Presented at the Annual Meeting of American Academy of Otolaryngology-Head and Neck Surgery, Denver, Colorado, 2001.

Lee N, Zhu N, Baker L, Akazawa M, **Shin EJ**: How Much Intrafraction Patient Movement is Observed in Head and Neck Cancer Patients Undergoing Intensity-Modulated Radiation Therapy (IMRT)? Presented at ASTRO, Utah, 2003.

**Shin EJ**, Ebert O, Choi B, Garcia A, Woo SL, Urken ML, Genden E: Vesicular Stomatitis Virus and Head and Neck Cancer. Presented at 6<sup>th</sup> International Meeting for Head and Neck Cancer, Washington DC, August 2004.

Gurney TA, Eisele DW, **Shin EJ**, Weinberg V, Lee N: Treatment Outcomes of Patients with Adenoid Cystic Carcinoma of the Major Salivary Glands. Presented at Western Section Conference, The Triological Society, Los Angeles, CA, February 2005.

**Shin EJ**, Choi B, Ebert O, Chang JI, Genden E, Woo S: Interferon-alpha Protects Head and Neck Squamous Cells from Oncolytic Vesicular Stomatitis Virus in a Dose-dependent Manner. Presented at COSM, Boca Raton, FL, May 2005, awarded 2<sup>nd</sup> prize.

**Shin EJ**, Choi B, Huang T-G, Wanna GB, Genden E, Woo S: Genetically modified fibers in recombinant adenoviral vectors enhance viral transduction in head and neck squamous carcinoma lines. Presented at COSM, Boca Raton, FL, May 2005.

**Shin EJ**, Choi B, Chang JI, Ebert O, Genden E, Woo S: Fusogenic VSV Preferentially Eradicates Head & Neck Squamous Cell Carcinoma but not Normal Epithelial Cells. Poster presentation at annual AAO-HNS meeting, Los Angeles, CA, September 2005.

Eloy JA, Genden EM, **Shin EJ**, Jacobsen AJ Preoperative Selective Venous Sampling for Localization of Parathyroid Adenoma. Poster presentation at annual AAO-HNS meeting. Los Angeles, CA, September 2005.

**Shin EJ**, Choi B, Wanna G, Ebert O, Genden E, Woo S Interleukin-12 expression enhances vesicular stomatitis virus oncolytic therapy in murine squamous cell carcinoma. Presentation at annual Triological Society Meeting, Chicago, May 2006.

Dhir K, Altman J, **Shin EJ** A rare clinical presentation of bilateral intratonsillar abscesses. Eastern Section Triological Society Meeting, Toronto, Ontario, January 2006.

Nurse L, **Shin EJ** Atypical schwannoma in the floor of mouth. Presentation at Triological Society Meeting, Chicago, May 2006.

**Shin EJ**, Sung K, Choi B, Genden E, Woo S Oncolytic VSV for the treatment of medullary thyroid cancer. Presented at Eastern Section Triological Society Meeting, San Diego, CA, February 2007.

Sung K, Wanna G, Choi B, Genden EM, **Shin EJ** VSV-IL-12 and cisplatin eradicates squamous cancer cells but not normal epithelial cells. Presented at 110<sup>th</sup> Triological Annual Meeting, San Diego, April 2007

Adappa N, Choi B, Sung K, Genden E, Woo S, **Shin EJ** Combined adenoviral based immunotherapy in the treatment of head and neck cancer. Presented at annual AAO-HNS meeting, Washington DC, 2007.

Cheng J, Love L **Shin EJ** Case Report: Postoperative Ingested Esophageal Throat Pack (poster) Eastern Section Meeting January 25-27, 2008 Philadelphia, Pennsylvania.

Adappa N, Sung K, **Shin EJ** PREOPERATIVE PROTHROMBIN TIME/PARTIAL THROMBOPLASTIN TIME AS A PREDICTOR OF POSTOPERATIVE HEMORRHAGE AFTER TONSILLECTOMY (Poster) Twenty-third Annual Meeting of the American Society of Pediatric Otolaryngology, May 2-4, 2008, Orlando, Florida.

Pelosi S, Love L, Teng M, Shin EJ Small Cell Carcinoma of the Larynx and Hypopharynx: A case report and review of the literature. (Poster) Presented annual AAO-HNS meeting Chicago 2008.