

**Visiting US for
Research & Clinical Training
Opportunities
in
Head and Neck Oncology**

Levent Beder, MD, PhD

Otolaryngology – Head & Neck Surgery

Wakayama Medical University

US Medical Training System

- Graduation from College
- Graduation from Medical School
- Residency (臨床研修): Matching (Duration: PGY1-5)
- Fellowship: Programs in Otolaryngology,
 - Head and Neck Oncology – Surgery:
 - Reconstruction & microvascular surgery
 - Endocrinology surgery
 - Skull base surgery
 - Rhinology & ESS
 - Facial Plastic Surgery
 - Otology – Neurotology
 - Laryngology – voice surgery
 - Pediatric ORL

American Head and Neck Society Fellowship Programs



- Beth Israel Medical Center
- Cancer Care Manitoba, University of Manitoba
- Johns Hopkins University
- **M.D. Anderson Cancer Center**
- Medical University of South Carolina
- **Memorial Sloan-Kettering Cancer Center**
- Ohio State University
- Roswell Park Cancer Institute
- **Southern Illinois University**
- **Stanford University**
- University of Alabama: Birmingham
- University of Alberta
- University of California- Davis
- University of Cincinnati
- University of Iowa
- University of Kansas
- University of Miami
- University of Michigan
- University of Nebraska
- University of Oklahoma
- University of Pennsylvania
- University of Pittsburgh
- University of South Florida
- **University of Toronto**
- University of Washington
- Wayne State University

Primary Goals of Fellowship Programs

- Fellows are trained as [academic head and neck surgeons](#) who will provide [leadership](#) in the clinical practice and science of head and neck surgical oncology.
- The Department of Head and Neck Surgery annually examines more than [1,600 new patients](#) with head and neck tumors, thus providing fellows with a wealth of clinical experience.
- All programs have been reviewed and approved by Advanced Training Council of American Head and Neck Society.

Primary Goals

- To train individuals to provide state-of-the-art interdisciplinary care for patients with head and neck cancer
- To develop leaders in the field of head and neck oncologic surgery
- To provide a [rigorous academic experience](#) in which fellows can participate in clinical, translational or basic science research under the guidance of experienced mentors, with the ultimate goal of attaining support for future research endeavors upon the completion of training

Selection Process

- **Fellowship candidates must have**
 - completing a residency program in otolaryngology-head and neck surgery, general surgery or plastic surgery.
 - must be licensed in the state of program
- **Process:**
 - Review of written application, including letters of reference from past mentors and program directors
 - Personal interview
 - Matching: Registered with match program of Advanced Training Council
 - Non-matching: For international applicants

Program Types:

- One-year fellowship: [clinical training](#) that emphasizes a multidisciplinary approach to the management of head and neck cancer. Surgical instruction involves all aspects of head and neck surgical oncology, including cranial base surgery
- The two-year fellowship: provides one year of dedicated [basic science](#), translational or clinical research and one year of clinical training
- The three-year fellowship provides two years of research and one year of clinical training
- The two-year Head and Neck Surgical Oncology and Reconstruction Fellowship program: one year of advanced training in head and neck surgical oncology followed by a second year in plastic surgery and head and neck reconstruction, with an emphasis on microvascular free tissue transfer. During the second year, fellows are fully integrated into the plastic surgery fellowship, [Fellows are expected to participate in 50 to 100 microvascular reconstructions](#), with an equal number of non-microvascular cases.

MD Anderson Campus

THE UNIVERSITY OF TEXAS
MD Anderson
~~Cancer Center~~

Making Cancer History®



MD Anderson Clark Clinic

THE UNIVERSITY OF TEXAS
MD Anderson
~~Cancer Center~~

Making Cancer History®



Interview Schedules

ITINERARY
Levent Beder, M.D.
Head and Neck Fellowship Candidate
Monday, March 7, 2011

- 7:00 Coffee; ENT Conf. Rm.; Drs. Lentsch, Skoner, Cannon and Cardoni – Escort to 7W
- 7:30 Head and Neck Team Meeting; 7W Conference Room
- 8:00 Return with Mary Beth Chalk
- 8:15 Dr. Joshua Hornig; RT Rm. 1107
- 8:30 Breakfast with Mary Beth Chalk, NP; Jennifer Page, NP
- 9:30 Dr. Anand Sharma; Main Hospital
- 9:30 H/N Clinic; Ann will pick you up at 11:00
- 11:00 Tour Maxillofacial Prosthodontics
Evelyn Trammel Voice Institute
- 12:00 Lunch, ENT Conference Room (Julie Blair, Dr. Shirai, Dr. Davis, Dr. Gillespie, Dr. Day, Mary Beth Chalk, Jennifer Page, Holly Dreschsler, Ann Durgun
- 1:00 Dr. Terry Day; Fellowship Director; RT Rm. 1118
- 1:30 Departure

ITINERARY

Levent B. Beder, MD, PhD
Candidate for Head and Neck Fellowship
Simmons Cancer Institute

Tuesday, March 1, 2011

- 8:00-8:30 a.m. K. Thomas Robbins, MD, Director
Simmons Cancer Institute at SIU
315 W. Carpenter, Room 2065
- 9:00-9:30 a.m. James P. Malone, MD, Associate Professor
Division of Otolaryngology Head & Neck Surgery
315 W. Carpenter, Room 2071
- 10:00-10:30 a.m. Cathy Clausen, MD, Radiation Oncologist
University Radiologists
315 W. Carpenter, Room 2004
- 10:30-12:00 HANOT Clinic
315 W. Carpenter, 1st floor
- 12:00-1:30 p.m. HANOT Tumor Board
315 W. Carpenter, 1012
- 2:00-2:30 p.m. Krishna Rao, MD, PhD, Associate Professor
Division of Hematology/Oncology
315 W. Carpenter, Room 2101
- 2:30-3:00 p.m. Sophia Ran, PhD, Associate Professor
Department of Medical Microbiology, Immunology and Cell Biology
315 W. Carpenter, Room 2004
- 3:30-4:00 a.m. Jennifer Rodgers, Institutional Resident Coordinator
Residency Affairs
315 W. Carpenter, Room 2004

Some of the Faculties with whom interview held



Randal S. Weber, M.D., F.A.C.S.
Professor and Chair
Department of Head and Neck Surgery
at The University of Texas
M. D. Anderson Cancer Center



Ehab Y. Hanna, M.D., F.A.C.S.
Professor
Department of Head and Neck Surgery
at The University of Texas
M. D. Anderson Cancer Center
&
Chief Editor of *Head and Neck*

Some of the Faculties with whom interview held



K. Thomas Robbins, MD
Professor and Director
Simmons Cancer Institute
Southern Illinois University , Springfield



Terry Day, M.D., FACS
Professor and Clinical Vice Chairman
Director, Division of Head and Neck Oncologic
Surgery
Medical University of South Carolina
President, Head and Neck Cancer Alliance

Some of the Faculties with whom interview held



Michael J. Kaplan, MD
Professor - Med Center Line,
Otolaryngology (Head and Neck Surgery)
Professor - Med Center Line, [Neurosurger](#)



PERSONAL ASSESSMENT OF TRAINING PROGRAM by FELLOWS

1) Program Evaluation

	Not Applicable	Strongly Agree	Agree	Undecided	Disagree
The program is well-rounded					
Patient material is adequate in numbers					
Patient material is mixed and diversified					
Curriculum is appropriate					
Conferences and didactic presentations are appropriate					
Instruction on decision-making is adequate					
Operating room experience is adequate					
Availability of staff is adequate/sufficient in number					
Supervision by faculty is enough					
There is enough freedom for independent clinical decision-making					
Clinical research exposure is available					
Basic science instruction (theoretical, classroom) is adequate					
Basic science training is appropriate					
Overall, this is a good training program in head & neck oncologic surgery					

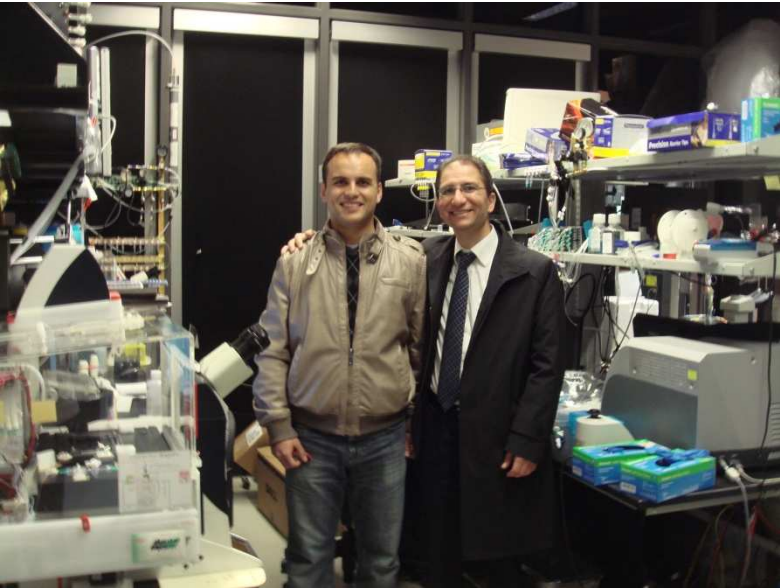
2) Faculty Evaluation

Directly worked with during fellowship Y/N					
Knowledge of surgical oncology					
Knowledge of head and neck oncology					
Discusses pre-op evaluation & indications for surgery in clinic					
Challenges me to create management plans					
Quality of informal teaching					
Availability for informal consultation					
Stimulates enthusiasm for learning					
Stimulates clinical research projects					
Stimulates basic science research projects					
Surgical technique					
Intra-operative decision making					
Allows independent operative teaching					
Caseload adequate for teaching					

3) Operative Case Log

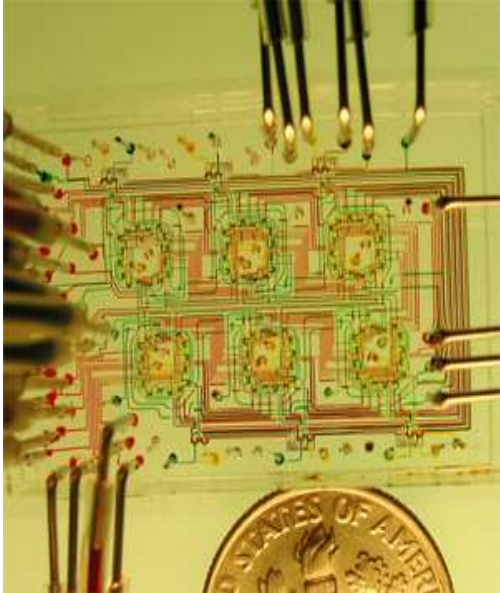
Procedure	Surgeon	Assistant Supervising Surgeon	Assistant Surgeon	TOTAL
SALIVARY GLAND				
Lateral parotid lobectomy				
Total parotidectomy				
Submandibular				
Facial nerve graft				
Other facial reanimation				
(Other)				
NOSE, SINUS, ANTERIOR SKULL BASE				
Medial maxillectomy				
Total maxillectomy				
Craniofacial Resection				
(Other)				
LIP				
"V" excision				
Excision tumor with cheiloplasty				
(Other)				
ORAL CAVITY/OROPHARYNX				
Transoral resection				
Composite – marginal mandibulectomy				
Composite – segmental mandibulectomy				
Mandibulotomy				
(Other)				
NECK				
Selective neck dissection				
Modified RND				
Radical neck dissection				
Parapharyngeal space tumor – cervical				
Parapharyngeal space tumor – tr. parotid				
Parapharyngeal space tumor – tr. mandibular				
Benign cysts and tumors				
Carotid body tumor				
Trauma				
(Other)				
LARYNX AND PHARYNX				
Vertical hemilaryngectomy				
Supraglottic laryngectomy				
Other partial laryngectomy				
Total laryngectomy				
Partial pharyngolaryngectomy				
Total pharyngolaryngectomy				
Laser resection of tumor				

Basic Research Facilities in Stanford University



Emre Araci - Director of Stanford Microfluidics Foundry
Stanford University, Bioengineering Department

Microfluidic Chips Based on Microfluidic Valve Technology



microfluidic large scale integration (LSI)

