

# Maroun T Semaan, MD

## Curriculum Vitae

### **Present Address, Telephone, E-mail:**

#### **Business address**

Department of Otolaryngology and Head & Neck Surgery

Division of Otology and Neurotology

University Hospitals Case Medical Center

Case Western Reserve University School of Medicine

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**Date and place of birth:** Beirut, Lebanon. July 31st, 1974

**Marital status:** Married.

**E-mail** maroun.semaan@UHhospitals.org, maroun.semaan@va.gov

### **Medical Training**

- 1992-1999: Saint Joseph University School of Medicine, Beirut, Lebanon.
- 1999-2000: Internship, Department of Otolaryngology. Hôtel-Dieu De France Hospital, Saint Joseph's University School of Medicine. Beirut, Lebanon.
- 2000-2001: Internship, Department of Internal Medicine. Johnson City Medical Center. East Tennessee State University. Johnson City, TN.
- 2001-2002: Internship, Department of General Surgery, University of Connecticut, Hartford, CT.

- 2002-2007: Residency, Department of Otolaryngology and Head & Neck Surgery, University Hospitals of Cleveland. Case Western Reserve University, Cleveland, OH.
- 2007-2009: Neurotology, Otolaryngology and Lateral Skull Base fellowship, House Ear Clinic. Los Angeles, California

**Honors/Awards:**

- Awarded for highest academic performance from Hariri Organization (National Institution) for the year 1999.
- Awarded honor as top student in the graduating class of 1999.
- First Prize Basic Science Research at University of Pittsburgh

**Medical Licenses:**

Board certified: Otolaryngology and Head & Neck Surgery, 2008

Board certified: Neurotology, 2010

Medical Board of California physician and surgeon medical license, active

Medical Board of Ohio physician and surgeon medical license, active

**Academic Affiliation/Appointments and Titles:**

Associate Director Otolaryngology, Neurotology University Hospitals of Case Medical Center

Director Otolaryngology program, Louis Stokes VAMC, Cleveland, Ohio

Assistant Professor of Otolaryngology and Head & Neck Surgery, Case Western Reserve University School of Medicine

**Educational Activities:**

- Instructor of head and neck anatomy at Case Western Reserve School of Medicine (2003 and 2006).
- Involved in daily teaching of medical students and junior residents on morning rounds and in the operating room.
- Clinical instructor temporal bone surgical dissection course Oct 2005.
- Clinical instructor, temporal bone course, House Ear Clinic, September 2007.

- Clinical instructor, temporal bone course, House Ear Clinic, September 2008.
- Faculty appointment at Los Angeles County, University of Southern California School of Medicine.
- Resident teaching at House Clinic/St Vincent Medical Center Los Angeles, CA in the clinic setting and operating room.
- Instructor temporal bone surgical dissection course, University Hospitals Case Medical Center Oct 2009
- Resident teaching, Department of Otolaryngology Head & Neck Surgery, Case Medical Center, Nov 2009-Jan 2010

**Publications:**

Articles:

1. **Semaan MT**, Alagramam KN, Megerian CA.

The basic science of Meniere's disease and endolymphatic hydrops. Current opinion in Otolaryngology and Head and Neck Surgery, 2005, Oct; 13:301-7.

2. Sulman CG, Vecchiotti MA, **Semaan MT**, Lewin JS, Megerian CA.

Endolymphatic duct violation during retrosigmoid dissection of the internal auditory canal: a human temporal bone radiographic study. Laryngoscope, 2004 Nov; 114(11):1936-40.

3. Faress JA, McKinney LA, **Semaan MT**, Byrd RP Jr, Mehta JB, Roy TM.

Mycobacterium xenopi pneumonia in the southeastern United States; South Med J. 2003 Jun; 96(6):596-9.

4. Drew BR, **Semaan MT**, Hsu DP, Megerian CA.

Endolymphatic Duct Violation during Middle Fossa Dissection of the Internal Auditory Canal. Laryngoscope. Mar 2006; 116(3):370-4

5. Weber DA, **Semaan MT**, Megerian CA.

Calcium Alginate Patches in the Repair of the Chinchilla Tympanic Membrane Perforation. Laryngoscope. May 2006;116(5):700-4.

6. Hall K, Pitts D, Anne S, **Semaan M**, Alagramam K, Megerian C.

Optimization of RNA Detection from Archival Guinea Pig Temporal Bone Specimens. Otolology and Neuro-otology (accepted)

7. Zurcher MA, Young DJ, **Semaan MT**, Megerian CA, Ko WH.

Development of Middle Ear Acoustic Sensor for Fully Implantable Cochlear Prosthesis. International Conference on Networked Sensing Systems, pp.49-54, Chicago, May-June, 2006.

8. Zurcher MA, Young DJ, **Semaan MT**, Megerian CA, Ko WH.

Effect of Incus Removal on Middle Ear Acoustic Sensor for a Fully Implantable Cochlear Prosthesis. Engineering in Medicine and Biology Conference. New York. August-September, 2006.

9. **Semaan MT**, Megerian CA.

The Pathophysiology of Cholesteatoma. Otolaryngologic Clinics of North America. Vol 39. Issue 6. December 2006.

10. Megerian CA, **Semaan MT**

Endolymphatic Sac and Duct Tumors. Otolaryngologic Clinics of North America. Vol 40. Issue 3. July 2007

11. **Semaan MT**, Bambikidis N, Megerian CA.

Neoplasms of the temporal bone. Book chapter; Surgery of the Cerebello-pontine Angle. Bambikidis, Megerian, Spetzler, DC Becker, 2008.

12. Johnson F, **Semaan M**, Megerian C.

Temporal Bone Fractures. . Otolaryngol Clin North Am. 2008 Jun;41(3):597-618

13. Miller J, **Semaan M**, Einstein D, Megerian C, Maciunas R.

Staged Gammaknife Radiosurgery after Tailored Surgical Resection. A novel paradigm in the treatment of glomus jugulare tumors. Stereotactic Functional Neurosurgery. 2009; 87 (1): 31-6

14. Megerian CA, **Semaan MT**, Aftab S, Kiskey LB, Zheng KY, Pawlowski KS, Wright CG, Alagramam KA.A

Mouse model with postnatal endolymphatic hydrops and hearing loss. Hear Res. 2008 Mar;237(1-2):90-105 2008.

15. Fayad JN, **Semaan MT**, Meier JC, House JW.

Hearing Results using the SMart prosthesis. Otol Neurotol. Oct 2009

16. **Semaan MT**, Fayad JN.

White Mass in the Middle Ear. *Ear Nose Throat J*: 2008, Nov;87 (11) 610-1.

17. **Semaan MT**, Megerian CA.

Contemporary Assessment and Management of Glomus Tumors. *Curr Opin Otolaryngol Head Neck Surg*. 2008 Oct;16(5):420-6

18. Zurcher M, Young DJ, **Semaan M**, Megerian CA, Ko WH.

Effect of Incus removal on middle ear acoustic sensor for a fully implantable cochlear prosthesis. *Conf Proc IEEE Eng Med Biol Soc*. 2006;1:539-42

19. Miller JP, **Semaan MT**, Maciunas RJ, Einstein DB, Megerian CA.

Radiosurgery for Glomus Jugulare Tumors. *Otolaryngol Clin North Am*. 2009 Aug 42(4):689-706

20. Keles B, **Semaan MT**, Fayad JN.

The Medial Wall of the Jugular Foramen: A Temporal Bone Anatomic Study. *Otolaryngol Head & Neck Surg*. 2009 Sep;141(3):401-7

21. **Semaan MT**, Slattery WH, Brackmann DE.

Geniculate Ganglion Hemangiomas : Clinical Results and Long-term Follow up. *Otol Neurotol*. 2010 Jun; 31 (4): 665-70

22. Semaan MT, Megerian CA.

Contemporary Perspectives on the Pathophysiology of Meniere's Disease: Implications for Treatment. *Curr Opin Otolaryngol Head Neck Surg*. (In press)

23. Aftab S, Semaan MT, Murray G, Megerian CA.

Cochlear Implantation Outcomes in Patients with Autoimmune and Immune-Mediated Inner Ear Disease. *Otol Neurotol* (In Press)

**Poster Presentations:**

Semaan M, Abou-Hamad W, Haddad A. Bilateral True Vocal Cords Paralysis of Central Nervous System Origin, Myth or Reality. Paper presented at the American Academy of Otolaryngology & Head and Neck Surgery annual meeting at New Orleans 1999 and Washington, DC 2000.

Weber DA, Semaan MT (presenter), Megerian CA. Calcium Alginate Patches in the Repair of the Chinchilla Tympanic Membrane Perforation. Triological Society Meeting Western and Middle Section. San Diego. Feb 2006.

**Presentations:**

- Hearing Results Using the SMart Prosthesis: The House Clinic Experience. Presented at the Otosclerosis Study Group at the American Academy of Otolaryngology and Head and Neck Surgery Meeting in Chicago September 2008.
- Temporal Lobe Changes Following a Middle Fossa Craniotomy. Presented at the North American Skull Base Society Meeting in Vancouver September 2008.
- Facial Paralysis: Case Studies Presented in the Facial Nerve Study Group at the American Academy of Otolaryngology and Head and Neck Surgery in Chicago September 2008.
- Calcium Alginate Patches in the Repair of the Chinchilla Tympanic Membrane Perforation. Presented at the House Clinic (2005)

**Grand Rounds:**

- Medical disorder of the thyroid gland, Otolaryngology and Head and Neck Surgery department, Case Medical Center. 2003.
- Rejuvenation of the upper face, Otolaryngology and Head and Neck Surgery department, Case Medical Center. 2004.
- Controversies in the Management of Acoustic Tumors, Otolaryngology and Head and Neck Surgery, Case Medical Center. 2005
- Approaches to the skull base, Otolaryngology and Head and Neck Surgery, Case Medical Center. 2006.
- ENT Emergencies, Grand Rounds for Department of Family Medicine, Case Medical Center. 2006.
- Vestibular Physiology and Function Testing. House Ear Clinic. 2007.
- Skull Base Anatomy. House Ear Clinic. 2007.
- Lesions of the Petrous Apex. House Ear Clinic. 2008.
- Tumors of the Jugular Foramen. House Ear Clinic 2008.

- Meniere's Disease: Diagnosis and Management. House Ear Clinic 2009
- Evaluation of the Dizzy Patient: University Hospitals Case Medical Center, Nov 2009
- Vestibular Function Test: University Hospitals Case Medical Center, Dec 2009
- Temporal bone dissection course: Canal Wall Down Techniques, Labyrinthectomy, Nov 2009
- Temporal bone dissection course: Internal Auditory Canal Dissection, Middle Fossa Approach, Nov 2009
- Facial Paralysis: Why it is not always Bell's palsy?, CME Grand rounds presentation, Dec 2009

**Society Memberships:**

- American Academy of Otolaryngology and Head & Neck Surgery
- Triological Society
- American Academy of Facial Plastics and Reconstructive Surgery
- American College of Surgeon
- American Neurotologic Society

**Hobbies and Interests**

- Music: Classical Guitar.
- Interests: Architecture, Archeology.
- Sports: Basketball and Tennis.
- Arts: expertise in drawing, computer graphics, digital movies editing and medical illustrations.

**Linguistic Skills**

Fluent in English, French and Arabic