

Curriculum Vitae
Alan Henry Shikani MD, FACS

Academic Positions:

Director, Rhinology Fellowship Program
 The Maryland Nose and Sinus Center, LLC

Chief, Division of Otolaryngology-Head and Neck Surgery,
 Sinai Hospital, Baltimore.

Chief, Division of Otolaryngology-Head and Neck Surgery,
 MedStar Union Memorial Hospital, Baltimore

Chief, Division of Otolaryngology-Head and Neck Surgery,
 MedStar Good Samaritan Hospital, Baltimore.

President, Maryland ENT Center, LLC <http://www.marylandent.com/>

Certification:

Board Certification: Diplomate of American Board of Otolaryngology, 1991.

Medical education:

American University of Beirut-Medical Center,
 Doctorate in Medicine (Alpha Omega Alpha)

Graduate Medical Training:

Research fellowship in Cancer Biology
 The Burroughs Wellcome Co. and Duke University
 (Molecular Biology laboratory of Professor Pedro Cuatrecasas)
 Research Triangle Park, North Carolina.

Head and Neck Cancer Research Fellowship
 The Johns Hopkins Medical Institutions, Baltimore

Residency in General Surgery
 The Union Memorial Hospital, Baltimore

Residency in Otolaryngology-Head and Neck Surgery
 The Johns Hopkins Medical Institutions, Baltimore

Specialty Interests:

Rhinology/ Nasal and Sinus surgery
 Endoscopic sinus surgery techniques and minimally invasive skull base surgery
 Airway management
 Head & Neck Cancer

Major Research Interest and Areas of Special Interest:

Development of new instrumentation for Airway Management

Development of new instrumentation in Otolaryngology-Head and Neck Surgery.
 Head & Neck Cancer Biology & Therapy
 Development of endoscopic techniques for sinus and skull base surgery
 Rhinology-Nasal Cartilage Cell Biology and Tissue Engineering
 Management of the difficult Airway\
 Rhinotopic Therapy for Refractory Chronic Rhinosinusitis\
 Chitosan packing for Treatment of Complex Epistaxis.

Personal Interests and Hobbies:

Tennis, cycling, downhill skiing, hunting, scuba diving, opera, chess, travel.

Fluently Spoken and Written Languages:

English, French, Arabic.

Investigator for IRB approved Clinical Studies:

Study to determine the concentration of grepafloxacin in sinus tissue of patients with chronic sinusitis (sponsored by Glaxo-Wellcome, 1998). *Principal Investigator.*

Study to determine the efficacy and safety of Augmentin q12 hours in the treatment of chronic bacterial maxillary sinusitis. (Sponsored by Smith Kline Beacham, 1999). *Co-Investigator.*

Study to evaluate the efficacy of a new device for management of the difficult airway) (sponsored by *Clarus Medical, LLC*, 1999). *Principal Investigator.*

Study to determine the feasibility of balloon catheter sinuplasty using InstaTrak Navigation. (sponsored by Acclarent, Inc. 2006). *Principal Investigator.*

Study to investigate the role of nasopharyngeal acid reflux as a possible contributing factor to the pathophysiology of chronic rhinosinusitis (sponsored by Restech, Inc. 2007). *Principal Investigator.*

Study to evaluate the Effectiveness of Rhinotopic therapy for chronic rhinosinusitis (sponsored by ASL, Inc, 2008). *Principal Investigator.*

Study to evaluate the Effectiveness of Chitosan packing for intractable epistaxis (sponsored by HemCon, Inc, 2009). *Principal Investigator.*

Study to evaluate the Effectiveness of gel-Topical for nasal polyposis/Samters' disease (sponsored by ASL, Inc, 2011). *Principal Investigator.*

Grants:

Study to evaluate the efficacy of a new device for management of the difficult airway) (sponsored by *Clarus Medical, LLC*, 1999). *Principal Investigator.*

Study to determine the efficacy of a new tracheotomy tube and new cannula (sponsored by Adam-Spence Corporation, 2002). *Principal Investigator.*

Study to develop a new facial soft tissue filler using injectable Mesenchymal Stem Cells (MSC's) –collagen beads formulations (sponsored by IRB grant from MedStar, 2004). *Principal Investigator*

Study for the Development of New Facial Soft Tissue Filler Material (sponsored by MedStar Research Institute, 2004). *Principal Investigator*

Study to determine the feasibility of Acclarent balloon catheter use InstaTrak Navigation. (sponsored by Acclarent, Inc. 2006). *Principal Investigator*.

Study to investigate the role of nasopharyngeal acid reflux as a possible contributing factor to the pathophysiology of chronic rhinosinusitis (sponsored by Restech, Inc. 2007). *Principal Investigator*.

Study to investigate the role of nasopharyngeal acid reflux as a possible contributing factor to the pathophysiology of chronic rhinosinusitis (sponsored by Restech, Inc. 2007). *Principal Investigator*.

Study to evaluate the Effectiveness of Rhinotopic therapy for chronic rhinosinusitis (sponsored by ASL, Inc, 2008). *Principal Investigator*.

Study to evaluate the Effectiveness of Chitosan packing for intractable epistaxis (sponsored by HemCon, Inc, 2009). *Principal Investigator*.

Study to evaluate the Effectiveness of Rhinotopic therapy on Biofilm formation in refractory chronic rhinosinusitis (sponsored by ASL, Inc, 2009). *Principal Investigator*.

Study to evaluate the Effectiveness of gel-Topical for nasal polyposis/Samters' disease (sponsored by ASL, Inc, 2011). *Principal Investigator*.

Advisory Board

The Airway Company, Inc. (Founder)
The American Task Force for Lebanon

Certifications:

Diplomate, American Board of Otolaryngology
Fellow, the American College of Surgeons
Fellow, American Rhinologic Society
Fellow, the Triologic Society

Honors and Awards:

1989, *First prize*, Third Annual Mid-Atlantic Resident Research Symposium of the Uniformed Services University of the Health Sciences, Bethesda, Maryland,

1989, *First prize*, the Southern Medical Association meeting, Washington D.C.

1990, *First prize* Maryland Society of Otolaryngology-Head and Neck Surgery, Baltimore Maryland.

1990, *First prize* Basic Science Research award of the American Society of Head & Neck Surgery, The Combined Spring Meeting, Palm Beach, Florida.

1990, *First prize*, Fourth annual mid-Atlantic resident research Symposium of the Uniformed Services University of the Health Sciences, Bethesda, Maryland.

1991, *First prize*. The Maryland Society of Otolaryngology-Head and Neck Surgery, Baltimore Maryland.

1993, *Gold Medal*, The XV World Congress of Otorhinolaryngology-Head & Neck Surgery, Vth Festival of Scientific Video, Istanbul, Turkey.

2002, The prestigious *Maurice H. Cottle Award* for Best Clinical and Basic Research in Rhinology, The American Rhinologic Society.

Societies Membership:

Societies Membership:

The Alpha Omega Alpha Honor Medical Society

The American Academy of Otolaryngology-Head and Neck Surgery

The American College of Surgeons

The American Rhinologic Society

The Triologic Society (the American Laryngological, Rhinological and Otological Society)

President, the Johns Hopkins Otolaryngology Alumni Crowe Society (2015-2017)

Board Member of the American Task Force for Lebanon

Medical Contributions

- Introduced and developed new stent for use in endoscopic sinus surgery.
http://www.summitmedicalusa.com/products/ent/rhinology/documents/Shikani%20spec%20sheet_web.pdf
- Introduced and developed new speaking valve to help tracheotomy patients recover their speech. <http://pillingcatalog.com/products/4483>
- Introduced, and developed novel instrumentation and scope for management of the difficult airway. <http://clarus-medical.com/airway/products/clarus-shikani>
- The Shikani Middle Meatal Antrostomy Stent (use: to prevent adhesions complications in Endoscopic sinus surgery) (brought to market by *Micromedics, Inc* 1994.)
- The Shikani Seeing Stylet (use: to assist in intubation for the management of the difficult airway) (brought to market by *Clarus Medical, LLC*, 1997)

- The Shikani Speaking Valve (use: voice restoration for the tracheotomized patient) (brought to market by *The Airway Company, 2010*) <http://www.theairwaycompany.com/>
- The Shikani HME (Humidity Moisture Exchanger) (use: humidify, warm and filter the air for for the tracheotomized patient) (brought to market by *The Airway Company, 2010*) <http://www.theairwaycompany.com/>

Patents:

Shikani A: "Middle Meatal Antrostomy Ventilation Tube ".
U.S. Patent No 5, 246, 455 (issued September, 21, 1993).

Domb A., Shikani A.: "Method and Device for Inhibiting HIV, Hepatitis B, and other Viruses and Germs when using a Catheter in a Medical Environment". U.S. Patent No 5, 344, 411 (issued September 6, 1994).

Shikani A., Domb A.: "Method and Device for inhibiting HIV, Hepatitis B and other Viruses and Germs using a Needle, Scalpel, and other Sharp Instrument in a Medical Environment". U.S. Patent No 5,437,656 (issued August 1, 1995).

Shikani A., Domb A., Haffer A, Maniar M: "Anti-Infective and Anti-Inflammatory Releasing Systems for Medical Devices". U.S. Patent No 5,512,055 (issued April 30, 1996).

Shikani A., Domb A.: "Anti-infective polymer-iodine coating for blood collection and delivery systems". U.S. Patent No 5,695,458 (issued December 9, 1997).

Shikani A., Domb A.: "Anti-infective and Anti-inflammatory releasing systems for medical devices". U.S. Patent No 5,762,638 (issued June 1998).

Barthel T, Shikani A, Brown M, Klemmer G: "Viewing System with Adapter Handle for Medical Breathing Tubes". US Patent No 5,941,816 (issued August 24, 1999)

Barthel T, Brown M, Shikani A.: "Hand-held system with removable sheath" US Patent No 5,921,917 (issued June 13, 1999)

Hungerford D, Frondoza C, Sohrabi A, Shikani A, Domb A: "Cell Culture and Polymer Constructs" U.S. Patent No 6,378,527 B1 (issued April 30, 2002).

Hungerford D, Frondoza C, Sohrabi A, Shikani A, Domb A: "Cell Culture and Polymer Constructs" (International Patent No PCT/US00/06541) (issued September 2000)

Hungerford D, Frondoza C, Sohrabi A, Shikani A, Domb A: “Cell Culture and Polymer Constructs” U.S. Patent No 6,637,437 B1 (issued October 28, 2003).

Frondoza C, Hungerford D, Domb A, Fink D, Shikani A,: “Method for Composite Cell-Based Implants” U.S. Patent No 6,662, 805 B2 (issued December 16, 2003).

Domb A, Shikani A: “Polymer Constructs” (US Patent Serial Application No 60/081,016) (filed 2000)

Domb A, Shikani A: “Polymer Constructs” (US Patent Serial Application No 60/228,855) (filed 2000)

Shikani A, French J: “A speaking valve for a tracheotomy tube” (US Patent number 6,588,428 B2) (issued July 8, 2003)

Frondoza C, Hungerford D, Shikani A, Domb A, Fink D, Bloom L: “Method for Composite Cell-Based Implants”. (US Patent Serial Application Ref No 2109-PA-CIP) (filed 2001).

Frondoza C, Hungerford D, Shikani A, Domb A, Fink D, Bloom L: “Method for Fabricating Cell-Based Implants”. (US Patent Number 6,886,568 Issued May 3, 2005)

Frondoza C, Fink D, Hungerford D, Shikani A: “Method for Fabricating Adult Human Bone Marrow/ Mesenchymal Stem Cells- Microcarrier Implants” (US Patent Serial Application Ref No 04241-PA-CIP)

Shikani A: “Method and Apparatus for Inserting a Coated Stent into the Paranasal Sinuses following Endoscopic Sinuplasty Surgery. (US Patent Serial Application Ref 06142-PPA-0074.0029)

Shikani A: “Rhinotopic Therapy for the treatment of chronic rhinosinusitis, biofilm disruption, treatment of mucosal granulation and sinus polyps. (Provisional patent application Serial No. 61/210,142)

Shikani A, Root T: Adjustable and Biased-Open Unidirectional Speaking Valve (US Patent Serial Application No Ref No 5242)

Shikani A, DeBaugh F, Thomas, J: “Low Profile Heat and Moisturizing Exchanger Device for Tracheotomy and Speaking Valve (US Patent Number 8887718 Issued Nov 18, 2014)

Shikani A, Root T: Adjustable and Biased-Open Unidirectional Speaking Valve (US Patent Serial Application No Ref No 5242-005 (issued December 17, 2015)

Shikani A, Root T: Adjustable and Biased-Open Unidirectional Speaking Valve. PCT Publication No. WO2014/193733 (published on December 4, 2014)

Shikani A, Domb A, Hassan F, Shah: Bioadhesive and biodegradable and formulations that provide sustained release of antimicrobials, bacteriophages and anti-inflammatory medications for inactivation of biofilms and the treatment of rhinosinusitis and other infections (filed July 24, 2015, US application number 14/808,391.

National and International Meetings (*Presented by co-author):

1984

Warthin's Tumor-Associated Neoplasms.
First International Conference on Head and Neck Cancer,
Baltimore, Maryland, July 22-27,1984

Primary Lymphoma of the Salivary Glands.
First International Conference on Head and Neck Cancer,
Baltimore, Maryland, July 22-27,1984

Waldeyer's Ring Lymphoma *
Second International Conference on Malignant lymphoma
Lugano, Switzerland, June 13-16,1984

Tumor Necrosis Factor, Characteristics and Mechanism of action*
Fourth International Lymphokine Workshop, West Germany
October, 1984

Histiocytosis of the Temporal bone
Crowe Symposium on Temporal Bone Surgery,
The Johns Hopkins Hospital, Baltimore, Maryland
November 9-10, 1985

Infantile Subglottic Hemangiomas, an Update.
XIII World Congress of Otorhinolaryngology
Miami Beach, Florida, May 26-31,1985

Surgical Management of Giant Hemangiomas of the Head and Neck.
XIII World Congress of Otorhinolaryngology
Miami Beach, Florida, May 26-31,1985

Injuries to the Head and Neck Area: A 10-Year War Experience in Lebanon
XIII World Congress of Otorhinolaryngology
Miami Beach, Florida, May 26-31,1985

Nasal Septal Hemangiomas.
XIII World Congress of Otorhinolaryngology
Miami Beach, Florida, May 26-31, 1985.

Hemangiomas of the Submandibular Glands.
XIII World Congress of Otorhinolaryngology
Miami Beach, Florida, May 26-31, 1985.

Inverting Papillomas*
Endoscopic Sinus Surgery Course,
The Johns Hopkins Hospital
Baltimore, Maryland, June 12-13, 1985

1986 Second Primary malignancies in Patients with Salivary Gland or Thyroid Cancers*.
The Southern Section Meeting of the Triologic Society of Otolaryngology, Rhinology and
Laryngology, Orlando, Florida, January 16-18, 1985

Multiple Primary Malignancies in Head and Neck Cancer. The 28th Annual
Meeting of the American Society for Head and Neck Surgery, Palm Beach, Florida,
May 7-8, 1986

1989

Viral Ototoxicity: A Chick Embryo Otocyst Organ Culture Model.
The meeting of the American Academy of Otolaryngology-Head & Neck
Surgery, New Orleans, Missouri, September 26-31, 1989

Radioimmunotherapy for Squamous Cell Carcinoma of the Head & Neck.
The American College of Surgeons Clinical Congress, Atlanta, Georgia, October 15-
20, 1989

1990

The Treatment of Head & Neck Cancer with Radiolabeled Antiferritin Antibodies.
The Combined Spring Meeting, Palm Beach, Florida
April 30-May 1, 1990. *First Prize, Basic Science Research Award of the American
Society of Head & Neck Surgery, The Combined Spring Meeting, 1990*

1993

Polymer Chemotherapy for Squamous Cell Carcinoma of the Head and Neck.
The Combined Spring Meeting, Los Angeles, California
April 20-22, 1993.

The Effect of Viruses on the Development of the Embryonic Inner Ear: A Time-
Lapse Video. The XV World Congress of Otorhinolaryngology-Head & Neck
Surgery, Istanbul, Turkey, June 20-25, 1993
Gold Medal Vth Festival of Scientific Video.

A New Middle Meatal Antrostomy Stent
International Advanced Sinus Symposium,
Philadelphia, Pennsylvania July 21-24, 1993

1995

Middle Meatal Antrostomy and Stenting after Sinus Surgery
The Johns Hopkins Medical & Surgical Association Biannual Meeting,
Baltimore, June 9-10, 1995

Functional Endoscopic Sinus Surgery: Basic Anatomy, Pathophysiology and
Technique.

The First National Congress of Otolaryngology-Head & Neck Surgery, Lebanon, July 8-9, 1995

Advances in Functional Endoscopic Sinus Surgery. The First National Congress of Otolaryngology-Head & Neck Surgery, Lebanon, July 8-9, 1995

Patent it! An Introduction to Intellectual Property.
The 99th Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, New Orleans, Louisiana, September 17-20, 1995

1996

In vitro effectiveness of polymer chemotherapy against squamous cell carcinomas of the head & neck, 4th International Conference on Head and Neck Cancer, Toronto, Canada, July 28-August 1, 1996

Patent it. An Introduction to Intellectual Property.
The 100th Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, Washington, D.C. September 19-22, 1996

1997

The treatment of squamous cell carcinomas of the head & neck using multiple polymer chemotherapy drugs. The Johns Hopkins Medical & Surgical Association Biennial Meeting, Baltimore, June 5-7, 1997

Patent it. An Introduction to Intellectual Property.
The 101th Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, San Francisco, CA, September 7-10, 1997

1998

Patent it. An Introduction to Intellectual Property.
The 102th Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, San Antonio, TX, September 10-13, 1998

1999

A New Scope and Method for Management of the Difficult Airway.
The Johns Hopkins Medical and Surgical Association,
Baltimore, Maryland, June 10-12, 1999

2000

Phenotypic Expression of Human Chondrocytes Obtained from Articular, Nasal, and Ankle Cartilage*, Orthopaedic Research Society 46th Annual Meeting Florida, March 12-12, 2000

The Shikani Seeing Stylet, a new tool for the management of the difficult airway.
SLAM 2000 Emergency Airway Conference on Prehospital and Hospital Airway Management, Dallas, Texas, March 2000

The management of the difficult airway. SLAM 2000 Emergency Airway Conference on Prehospital and Hospital Airway Management, Dallas, Texas, September 2000

2001

Difficult airway management, the Otolaryngology Perspective
SLAM 2001 Emergency Airway Conference on Prehospital and Hospital Airway Management, Dallas, Texas, April 2001

Arabinogalactan chitosan polymers seeded with nasal chondrocytes for cartilage repair*. Society for Biomaterials 27th Annual meeting Transactions 26:328, 2001

Microcarrier spinner cultures of human nasal chondrocytes produce cartilage-like tissue*. Society for Biomaterials 27th Annual meeting Transactions 26:448, 2001

Proliferative capacity, alpha 2 integrin, and phenotype expression of human nasal and articular chondrocytes propagated on a flexible silicone membrane*. Society for Biomaterials 27th Annual meeting Transactions 26:448, 2001. *Orthopedic Student Research Award.*

2002

Human Nasal Chondrocytes Propagated on Flexible Silicone Membrane Respond to Biaxial Cyclic Strain*, Society of Biomaterials
April 24-27, 2002

Bioengineering of Cartilage using Human Nasal Chondrocytes Propagated in Microcarrier Spinner (Accepted for Publication, American J Rhinology). *Maurice H Cottle Honor Award for Best Research Paper in Rhinology, The American Rhinologic Society, September 2002*

2005

Evaluation of Micro-carrier Formulations for Propagation of Osteoblasts and Chondrocytes*, Society of Biomaterials April 2006

2007

Balloon Sinuplasty, Intatrack Navigation or C-Arm Fluoroscopy? American Academy of Otolaryngology-Head and Neck Surgery, Sept 10-14, 2007

2009

Nasal Chitosan packs for severe intractable epistaxis. Rhinology World 2009, April 15-19, 2009

Rhinotopic Therapy for Refractory Chronic Rhinosinusitis. Rhinology World 2009, April 15-19, 2009

Endoscopic Management of Intractable Epistaxis using Chitosan Nasal Packing. American Academy of Otolaryngology-Head and Neck Surgery, October, 2009

Refractory Rhinosinusitis, Etiology and Therapeutic Strategies. American Academy of Otolaryngology-Head and Neck Surgery, October, 2009

2010

Antibiotic-resistant bacteria in refractory rhinosinusitis: the gel-rhinotopic protocol. American Rhinologic Society September 2010

Expression of mucosal epithelial barrier & water membrane permeability proteins in chronic rhinosinusitis with and without nasal polyps. American Rhinologic Society September 2010

Gel-rhinotopic therapy for chronic rhinosinusitis that is refractory to oral antibiotics. American Academy of Otolaryngology-Head and Neck Surgery, September 2010

Pathophysiology of chronic rhinosinusitis: Aquaporins, tissue edema and the epithelial barrier. American Academy of Otolaryngology-Head and Neck Surgery, September 2010

Effect of gel-rhinotopic therapy on the epithelial membrane and mucosal biofilms in refractory chronic rhinosinusitis. American Academy of Otolaryngology-Head and Neck Surgery, September 2010

2011

Multimodal Topical Therapy for chronic rhinosinusitis. The SinusForum July 2011

Multimodality topical therapy for refractory chronic rhinosinusitis with and without nasal polyposis. American Rhinologic Society September 2011

Shikani A, Dietrich K: Comparison of Different One-Way Speaking Valves. American Rhinologic Society September 2011

Gel-Topical Therapy for Sinonasal Polyposis in Samter's Disease American Academy of Otolaryngology-Head and Neck Surgery, September 2011

2012

Karanfilov B, Silvers S, Pasha R, Sikand A, Shikani A: Office-Based Balloon Sinus Dilation: A prospective, multi-center study of 203 patients. COSM, March 2012

Instruction Course entitled "Topical Membrane Therapy for Chronic Rhinosinusitis. Academy of Otolaryngology-Head and Neck Surgery, 2012

Miniseminar: "Local Anti-Infectives and Anti-Inflammatory Therapy". Richard J. Harvey, Peter John Wormald, MD, Martin Y. Desrosiers, Samer Fakhri, Matthew W. Ryan, Yosef Krespi. Academy of Otolaryngology-Head and Neck Surgery, 2012

Shikani A: Mucosal Expression of Aquaporin and Epithelial Barrier Proteins In Chronic Rhinosinusitis With/Without Nasal Polyps. African American ENT Audiology Congress AAENTA, Victoria Fall, Zimbabwe, June 2012.

2013

Shikani A, Mehta, R: Office-Based Gel-Hybrid Sinuplasty: A New Surgical Frontier for CRS with Nasal Polyps? 20th International Federation of Otorhinolaryngological Societies (IFOS) World Congress. Seoul, South Korea, June 2013.

Shikani A, Harvey R, Kilty, SJ, Fakhry S: Seminar on Topical Therapy for Refractory CRS. 20th International Federation of Otorhinolaryngological Societies (IFOS) World Congress. Seoul, South Korea, June 2013.

2016

Shikani A: Advances in the Treatment of Sinusitis. Sinai Hospital Baltimore, Maryland April 2016

2017 Shikani A: A new Tracheotomy Speaking Valve and HME. The Mt Washington Hospital Baltimore, Maryland March 2017

PUBLICATIONS:

1. Shikani, A., Samara, M.: Non-Cardiogenic Pulmonary edema Secondary to Venous Air Embolism. Report of a case and Review of the Literature. Mid. East J. Anesthesia. 7: 425-436,1984.
2. Elias, A., Shikani, A.: Rhinocerebral Mucormycosis With Internal Carotid Occlusion. Report of Two Cases and Review of the Literature. Laryngoscope 1107: 1113-1118,1985.
3. Ghorayeb, B., Shikani, A.: The Use of Dexamethasone in Pediatric Bronchoscopy, J. Laryngol. Otol. 99: 1127-1129,1985.
4. Shikani, A. , Jones M., Marsh B., Holliday, M. : Infantile Subglottic Hemangioma, The Experience at the Johns Hopkins Hospital and Review of the Literature. New Dimensions in Otorhinolaryngology- Head and Neck Surgery. E.N. Myers (Ed.) Excerpta Medica, Amsterdam-New York, 1985, pp. 589-591.
5. Kennedy, D., Nager, G., Shikani, A. Zinkham, W.: Otologic Involvement in Histiocytosis-X . New Dimension Otorhinolaryngology- Head and Surgery. E.N. Myers (Ed.) Excerpta Medica, Amsterdam-New York, 1985, pp 462-463.
6. Shikani A., Shehadi, S.: Surgical Treatment of Giant Hemangiomas of the Head and Neck.New Dimensions in Otorhinolaryngology-Head and Neck Surgery. E.N.Myers (Ed.) Excerpta Medica, Amsterdam-New York, 1985,pp. 524-526.
7. Shikani, A., Jones, M. Marsh, B., Holliday, M.: Infantile Subglottic Hemangioma, an Update. Ann.Otol. Rhinol. Laryngol. 95: 336-347,1986.
8. Shikani, A., Shehadi, S. : Surgical Management of Giant Hemangiomas of Head and Neck. Otolaryngol. Head & Neck Surg. 94: 113-122,1985.
9. Shikani, A., Matanoski, G., Jones, M., Kashima, H., Johns, M.,: Multiple Primary Neoplasms in Head and Neck Cancer. Arch. Otol. Head and Neck Surgery. 112: 1172-1179,1986.
10. Johns, M., Shikani, A., Kashima, H., Matanoski,G.,: Multiple Primary Neoplasms in Patients with Salivary or Thyroid Glands Tumors. Laryngoscope 96: 718-721,1986.
11. Zaytoun, G., Shikani, A., Salman, S., Head and Neck War Injuries: 10-Year Experience at the American University of Beirut Medical Center. Laryngoscope 96: 899-903, 1986.
12. Johns, M. Shikani, A.: Complications and Sequelae of Salivary Gland Surgery. In Complications in Otolaryngology-Head and Neck Surgery. M.E. Johns (Ed.), B.C. Decker, Toronto, 1986,pp 153-162.
13. Shikani, A., Salman, S., Melhem, R.: Unilateral Pulmonary Edema with Contralateral Foreign Body Aspiration. Laryngoscope 97: 748-751,1987.
14. Shikani A., Allam. C., Salem, P., Samara, M., Lenhard, R.: Primary Lymphoma of the Salivary Glands. Laryngoscope 97: 1438-1442, 1987.
15. Richtsmeier, W., Shikani, A. : Immunology of the Pharyngeal Tonsils. Otolaryngol. Clinics N.A. 29:219-228,1987.
16. Allam C., Shikani, A., Slim, M., Takla, L.: Primary Angiosarcoma of the Heart. A Case Report and Review of the Literature, Vascular Surg. 9: 142-148, 1987.
17. Shikani, A., Johns, M.: Salivary Gland Neoplasms in Children. Head and Neck Surg. March/April 1988,pp 257-263.
18. Nguyen T.H., Klein J.L., Order S.E., Shikani A.H., Richtsmeier W.R.: Tumor Localization of Radiolabeled Antiferritin in Head and Neck Cancers Implanted in the Nude Mouse. Antibody, Immunoconjugates and Pharmaceuticals: 1(2): 181-188,1988.

19. Shikani A., Goins M.: Cholesterol Granuloma of the Temporal Bone. Arch. Otolaryng. Head&Neck Surg.: 115(12): 1476-1479,1989.
20. Shikani, A., Hadi, U. Mufarrij, A., Zaytoun, G. Mycobacterial Cervical Adenitis. Ear, Nose &Throat J.: 68(9): 660-672, 1989.
21. Shikani, A. Shikani, L., Briscoe, P.: Salmonella Neck Abscess, Report of a Case and Review of the Literature Arch.Otol.Head&Neck Surg.116: 88-91,1990.
22. Kennedy, D., Shikani, A. : Treatment of Sinusitis Conn's Current Therapy, R.E.Rakel (ed.), W.B.Saunders, Philadelphia,pp 187-189,1990.
23. Zaytoun G., Mufarrij A., Hadi U.,Shikani A.,Salman S.:Hemangioma of the nasal septum,a clinicopathological profile. Annals Saoudi Med., 11(1):67-72,1991.
24. Tarazi, T.; Shikani, A., : Irreversible Unilateral Visual Loss due to Acute Sinusitis. Arch.Otol.Head&Neck Surg.117 (12):1400-1401, 1991
25. Shikani, A. Richtsmeier, W.: The Effect of Viruses and Interferon on Chick Embryo Otocyst Organ Culture. Annals Otol. Laryng. Rhinol. 100: 1020-1023,1992. *Gold Medal Vth Festival of Scientific Video The XV World Congress of Otorhinolaryngology-Head & Neck Surgery, Istanbul, Turkey, 1993.*
26. Shikani,A., Price J.: Reconstructive Surgery of the Lip .In Facial and Plastic Reconstructive Surgery.I.Papel,N.Nachlas (ed.),Mosby,St Louis, 1992,pp 418-423.
27. Shikani, A. Richtsmeier, W.: Angiofibroma tumor Model, Hormonal Manipulation in Nude Mice and in Vitro Arch. Otol. Head &Neck Surg. 118:256-259,1992.
28. Shikani, A., Richtsmeier, W., Klein J., Kopher K.: Radiolabeled Antibody Therapy for Squamous Cell Carcinoma of the Head and Neck. Arch. Otol. Head &Neck Surg. 118:521-525,1992. *First prize, Basic Science Research Award of the American Society of Head & Neck Surgery, The Combined Spring Meeting, 1990*
29. Shikani, A., Shikani, L., Kuhajda, F., Allam, C.: Whartin's Tumor-Associated Neoplasms: Report of Two Cases and Review of the Literature. Ear, Nose &Throat J. 72(4):264-273, 1993.
30. Shikani, A., Kelly J.: Endoscopic Debulking of an Aggressive Pituitary Adenoma. American J. Otolaryngol. 14(4): 254-256, 1993. *Recognized as the First Minimally Invasive Endoscopic Pituitary Surgery Reported in the US.*
31. Shikani, A. : A New Middle meatal antrostomy Stent For Endoscopic Sinus Surgery. Laryngoscope. 104: 638-641, 1994
32. Shikani, A., Eisele, D., Domb,A. : Polymer Delivery of chemotherapy for Squamous Cell Carcinoma of the Head and Neck. Arch. Otolaryngol. Head Neck Surg. 120 (11): 1242-1247, 1994. *First prize, Resident Research Symposium of the Uniformed Services University of the Health Sciences, Bethesda, 1990.*
33. Soleiman A, Shikani A: Synovial Sarcoma of the Hypopharynx. Arch. Otolaryngol. Head Neck Surg. 121 (9): 1059-1062, 1995.
34. Saada A, Shikani A, Niparko J: Ectopic Internal Carotid Artery within the Petrous Temporal Bone. Arch. Otolaryngol. Head Neck Surg. 122(7): 792, 1996.
35. Shikani A: A middle Meatal Antrostomy Stent for Pediatric Endoscopic Sinus Surgery Am J Rhinology 10 (4): 225-228, 1996.
36. Shikani A, St Clair M, Domb A: Polymer-Iodine Inactivation of the Human Immunodeficiency Virus J. Am College Surgeons 183: 195-200, 1996.
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WORK IN PROGRESS:

1. MRSA in refractory rhinosinusitis: the gel-rhinotopic protocol.
2. Topical Therapy for Chronic rhinosinusitis caused by *Mycobacterium abscessus*.
3. Radiologic anatomic variants of the skull base and paranasal sinuses