

Shivan H. Amin, MD

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Education

Fellowship	Emory University Facial Plastic and Reconstructive Surgery Fellowship. Atlanta, GA
Residency	Kaiser Permanente Otolaryngology Residency. San Francisco Bay Area, CA
Internship	University of California San Francisco Surgical Internship. San Francisco, CA
Med. School	Medical College of Georgia, MD program. Augusta, GA
Undergraduate	Pennsylvania State University, BS Premedicine/Biology. University Park, PA

Research

2003-2005	Medical College of Georgia Supervisor: Balamurali Ambati, MD, PHD , Professor and Director of the Center for Research in Eye Surgery & Technology, Medical College of Georgia <i>Research Topics:</i> <ul style="list-style-type: none">• Designed two domain specific truncated proteins for possible therapeutic roles in corneal neovascularization (co-inventor of patent).• Designed a system for disrupting angiogenic mechanisms at the RNA level.
2000-2001	Jefferson Medical College, Philadelphia, PA. Supervisor: Gabriela Richard, MD , Associate Professor, Department of Dermatology and Cutaneous Biology and Jefferson Institute of Molecular Medicine.

Publications

Amin SH, Silver WE. "Rejuvenation of the upper facial third." Facial Plastic Surgery Clinics. Accepted for publication.

Sykes JM, **Amin SH**, Hatcher DC, Kim J. *3D analysis of dentofacial deformities: a new model for clinical application.* Facial Plast Surg Clin North Am. 2011 Nov;19(4):767-71.

Kim J, **Amin SH**, Fong D, Gupta S. *A severe nasal presentation of antiphospholipid syndrome.* Arch Otolaryngol Head Neck Surg. 2011 Mar;137(3):298-301.

Amin SH, Tibes R, Kim J, Hybarger CP. *Hedgehog antagonist GDC-0449 is effective in the treatment of advanced basal cell carcinoma.* Laryngoscope. 2010 Dec; 120(12) 2456-2459.

Amin SH, Kim J, Hybarger CP, Gayre GS. *Reconstruction of Medial Canthal Cutaneous Defects: The Multi-Flap Technique using the Four Zone Analysis Approach.* Archives of Facial Plastic Surgery. Submitted for publication.

Amin SH, Fong B, Gurushanthaiah D. *Successful utilization of a pectoralis major myocutaneous flap in the presence of a bipolar pacemaker.* Head and Neck. Submitted for publication.

Terris DJ, **Amin SH**. *Robotic and endoscopic surgery in the neck.* Op Techn Otolaryngol Head Neck Surg. 2008 19(1):36-41.

Jani PD, Singh N, Jenkins C, Raghava S, Mo Y, **Amin S**, Kompella UB, Ambati BK. *Abstract Nanoparticles sustain expression of Flt intraceptors in the cornea and inhibit injury-induced corneal angiogenesis.* Investigative Ophthalmology and Visual Science.

2007 May;48(5):2030-6.

Amin S**, **Singh N****, Richter E, Rashid S, Scoglietti V, Patel A, Wang J, Kaur R, Ambati J, Dong Z, Ambati BK. *Flt-1 Intraceptors inhibit hypoxia-induced VEGF expression in vitro and corneal neovascularization in vivo*. Investigative Ophthalmology and Visual Science, 2005 May; 46(5):1647-52.

Co-first authors of publication

Jan AY, **Amin S**, Ratajczak P, Richard G, and Sybert VP. *Genetic heterogeneity of KID syndrome: identification of a Cx30 gene (GJB6) mutation in a patient with KID syndrome and congenital atrichia*. Journal of Investigative Dermatology, 2004 May;122(5):1108-13.

Sprecher E, Chavanas S, DiGiovanna JJ, **Amin S**, Nielsen K, Prendiville JS, Silverman R, Esterly NB, Spraker MK, Guelig E, de Luna ML, Williams ML, Buehler B, Siegfried EC, Van Maldergem L, Pfindner E, Bale SJ, Uitto J, Hovnanian A, and Richard G. 2001. *The spectrum of pathogenic mutations in SPINK5 in 19 families with Netherton syndrome: implications for mutation detection and first case of prenatal diagnosis*. Journal of Investigative Dermatology, 2001 Aug;117(2):179-87.

Singh N, Higgins E, **Amin S**, Jani P, Richter E, Patel A, Kaur R, Wang J, Ambati J, Dong Z, Ambati BK. *Unique homologous siRNA blocks hypoxia-induced VEGF upregulation in human corneal cells and inhibits and regresses murine corneal neovascularization*. Cornea. 2007 Jan;26(1):65-72.

Singh N, Jani PD, Suthar T, **Amin S**, Ambati BK. *Flt-1 intraceptor induces the unfolded protein response, apoptotic factors, and regression of murine injury-induced corneal neovascularization*. Investigative Ophthalmology and Visual Science. 2006 Nov;47(11):4787-93.

Presentations

Amin SH, Iaquina S. *Mohs surgery for SCCA performed by otolaryngologists: An emerging role*. Bay Area Resident Research Symposium. Oral Presentation. 1st place award for best clinical study. Oakland, CA, 2012.

Handler EH, **Amin SH**, Do JB, Shih C. *Piriform Widening with Z-plasty for Nasal Valve Surgery*. Combined Sections Meeting of the Triological Society. Poster presentation. San Diego, CA, 2012.

Amin SH, Murr AH, Hybarger CP. *Medical Advancements in the Treatment of Melanoma and Advanced Basal Cell Carcinoma*. Kaiser Permanente Northern California Head and Neck Oncology Update and Skin Symposium. Santa Rosa, CA, 2011.

Amin SH, Sykes JM. *Three dimensional soft tissue analysis after Lefort I osteotomy*. Bay Area Resident Research Symposium. Oral Presentation. Oakland, CA, 2011.

Amin SH, Murr AH, Hybarger CP. *Hedgehog antagonist GDC-0449 effective in the treatment of advanced basal cell carcinoma*. 55th Annual Plastic Surgery Research Council meeting. Oral Presentation. San Francisco, CA, 2010.

Tang C., **Amin SH**, Schmidtkecht T., Schloegel L., Rasgon B. *Lymphoepithelial carcinomymystery: A curious case of a rare parotid tumor*. Combined Sections Meeting of the Triological Society. Poster Presentation. Scottsdale, AZ, 2011.

Amin SH, Hybarger CP. *Hedgehog antagonist GDC-0449 effective in the treatment of advanced basal cell carcinoma*. Combined Sections Meeting of the Triological Society. Oral Presentation. Orlando, FL, 2010.

Amin SH, Axelsson K, Byl FM. Head and neck manifestation of severe chronic active Epstein Barr virus. Bay Area Resident Research Symposium. Oral Presentation. Oakland, CA, 2010.

Amin SH, Hybarger CP. *Hedgehog antagonist GDC-0449 effective in the treatment of advanced basal cell carcinoma.* Bay Area Resident Research Symposium. Oral Presentation. Berkeley, CA, 2009.

Amin SH, Fong B, Gurushanthaiah D. *Functional preservation and reimplantation of a bipolar pacemaker during harvest of a pectoralis major myocutaneous flap.* Triologic Western Section Meeting. Oral Presentation. Las Vegas, NV, 2009.

Amin S, Singh N, Macnamara E, Patel A, Ambati J, Dong Z, Wang J, and Ambati BK. *Inhibition of VEGF expression by VEGF RECEPTOR-1 intrakine.* Annual meeting of the Association for Research in Vision and Ophthalmology. Poster Presentation. Fort Lauderdale, FL, 2004.

Ambati BK, Singh N, Macnamara E, **Amin S**, Patel A, Dong Z, Wang J, and Ambati J. *RNA interference can block VEGF upregulation in hypoxic corneal epithelial cells.* Annual meeting of the Association for Research in Vision and Ophthalmology. Poster Presentation. Fort Lauderdale, FL, 2004.

Richard G, Ratajczak PA, **Amin S**, Ilyas H, Tesfaye Kedjela A, Siegfried EC, and Uitto J. *Netherton Syndrome: novel and recurrent mutations in SPINK5 and implications for screening and diagnosis.* Journal of Investigative Dermatology. 122: Abstract 483, 2004.

Richard G, Ratajczak P, **Amin S**, Ilyas H, Tesfaye K, Uitto J. *Netherton Syndrome: Novel and Recurrent Mutations in SPINK5 and implications for screening and diagnosis.* J Invest Dermatol 122:483A, 2004.

Richard G, Rouan F, Willoughby CE, Brown N, **Amin S**, Chung P, Ryyänen M, Jabs EW, Bale SJ, DiGiovanna JJ, Uitto J and L. Russell. *Keratitis-Ichthyosis-Deafness Syndrome is caused by dominant missense mutations in GJB2 encoding connexin-26.* 63rd Annual Meeting of the Society of Investigative Dermatology, Los Angeles, CA, 2002.

Richard G, Rouan F, Willoughby CE, Brown N, **Amin S**, Chung P, Ryyänen M, Jabs EW, Bale SJ, DiGiovanna JJ, Uitto J and L. Russell. *Keratitis-Ichthyosis-Deafness Syndrome is caused by dominant missense mutations in GJB2 encoding connexin-26.* 15th International Congress of Eye Research. Geneva, Switzerland, 2002.

Other Publications

Paniello R, **Amin S**, "Vocal fold injection versus medialization laryngoplasty: Impact on subjective and objective measures of voice," in "Unilateral Vocal Cord Paralysis," Evidence-Based Otolaryngology. Shin JJ, Hartnick CJ, Randolph GW, Eds. Sept 2008. Springer-Verlag.

Paniello R, **Amin S**, "Reinnervation versus no reinnervation: Impact on subjective and objective measures of voice," in "Unilateral Vocal Cord Paralysis," Evidence-Based Otolaryngology. Shin JJ, Hartnick CJ, Randolph GW, Eds. Sept 2008. Springer-Verlag.

Catalano PJ, **Amin SH**. *Sinus Disease And Surgery.* Cranio-Maxillofacial Hyperguide. 2005.

Patents

Singh N, Ambati BK, **Amin SH**. *Intracellular interference of VEGF by Intrakines.* Patent filed with the US Patent Office. International Publication Number: WO 2006/081311 A2.

Honors & Awards

2012	Best clinical study: Bay Areas Resident Research Symposium
2009	Triological Meeting Resident Travel Award
2006	Alpha Omega Alpha Medical Honor Society Member
2002-2006	Virginia M. and Gordon W. Jackson, M.D. Scholarship
2005	Honor Medical Elective Program completed at Moorfields Eye Hospital, London, UK
2005	USMLE Merit Award from Georgia Association of Physicians of Indian Origin
2004	Alpha Omega Alpha service project award
2004	Medical College of Georgia Pathology Honor Society
2002	Regents' Opportunity Grant from the General Assembly of Georgia

Leadership

2010-2012	Representative - Section for Residents and Fellows, American Academy of Otolaryngology
2003-2004	President of the MCG student chapter of the American Medical Association
2003-2005	Founder and Director of the Student Sight Savers Program (2003-2005)

Courses

2012	Advanced Principles of Maxillofacial Trauma. Chicago, CA
2011	UCSF Oto-Update. San Francisco, CA
2011	Sinus/skull Base and Laryngology Course. Loma Linda, CA
2010	Western States Rhinology Course. Sonoma, CA
2010	UCSF 16 th Annual Advances in Treatment of Sleep Apnea and Snoring. San Francisco, CA
2010	Stanford Facial Plastic Surgery Course. Palo Alto, CA
2010	House Ear Institute Temporal Bone Surgical Dissection Course
2009	UCSF Human Cadaver Facial Dissection Workshop for Aesthetic Physicians
2009	Surgical Approaches and Techniques in Facial Trauma. UCSF
2009	AO Principles Craniomaxillofacial Trauma and Reconstruction. Los Angeles, CA
2009	Stanford Facial Plastic Surgery Course. Palo Alto, CA
2008	AO Course – Principles of Rhinoplasty. San Francisco, CA
2008	Stanford Facial Plastic Surgery Course. Palo Alto, CA

Personal

Interests: Snowboarding, basketball, tennis, travel.

I enjoy international health care, and have participated in medical trips to the Philippines, American Samoa, Guatemala, and New Zealand.