

KARTIKE GULATI, D.O.

Clinical Practice-Otolaryngology Head and Neck Surgery, Otology/Neurotology

Education

Paparella Ear, Head & Neck Institute – University of Minnesota, Minneapolis, MN

Otology/Neurotology Fellowship

1. Assisted in developing and managing a multidisciplinary team for Cochlear Implantation
2. Otologic Surgery under direct supervision of Dr. Michael Paparella, Dr. Rex Haberman, and Dr. Joshua Yorgason

Michigan State University - McLaren Macomb Hospital, Mount Clemens, IL

Otolaryngology - Facial Plastic Surgery Residency

1. Covered Otolaryngology and Facial Trauma call
2. Experience included variety of General Otolaryngic cases, Facial plastic surgery

Specialized Otolaryngology Training sites

1. Center for Ear Nose Throat and Allergy, Indianapolis IN – Head and Neck Surgery
2. Karmanos Cancer Institute – Head and Neck Surgery
3. Michigan Ear Institute – Neurotology/Otology
4. University of Michigan CS Mott Hospital – Pediatric Otolaryngology
5. Other specialized training: Occuloplastics, Facial Trauma

Midwestern University (MWU), Downers Grove, IL

Doctorate in Osteopathic Medicine

University of Illinois at Chicago (UIC), Chicago, IL

Bachelor of Science in Bioengineering

Concentrations in Cell and Tissue Engineering

Cum laude, Honors College

Licensure and Certification

- American Osteopathic Board of Ophthalmology and Otolaryngology – Head and Neck Surgery, May 2017, Certificate #1256

Patents

- **Gulati, K.**, Composition and Delivery Device to Reduce Frequencies of Cerumen Impaction. Application Number: 63022685.
- **Gulati, K.**, Composition and Method for Wound Healing and Nerve Regeneration. Application Number: 62776300.
- **Gulati, K.**, Composition and Method for Prevention and Treatment of Hearing Loss. Application Number: 62687333.

- **Gulati, K.**, Benjamin, G. Automated Pre-Filtration Air Management and Filtration Systems and Methods. U.S. Patent Application filed on February 25, 2009; Application Number: 12392695. U.S. Patent (9731060) issued August 15th, 2017. Technology licensed to Fenwal, Inc. (Lake Zurich, IL)
- Gulati, A., **Gulati, K.** Diagnostic use of endothelin ET_B receptor agonists and ET_A receptor antagonists in tumor imaging. U.S. Patent Application (US60/629,923) filed on November 22, 2004. U.S. Patent (8980222) issued March 17, 2015. European Union patent EP 05824775.0 grant on 20th November 2013. India patent IP 243532 granted on 22nd October 2010. Technology licensed to Pharmazz, Inc. for clinical development and commercialization. An open labeled, single dose, multiple escalation phase I/II study completed (CTRI/2009/091/001006) in India. A double blind, multi-centric, randomized controlled 220 patient clinical phase III study is in progress (CTRI/2013/07/003854) to evaluate the efficacy and safety of IRL-1620 in increasing the sensitivity of screen film mammography and lateral chest X-ray in patients of breast cancer.

Professional Papers, Posters

- **Gulati, K.** Unusual presentation of a large glomus tympanicum with a coexisting cholesteatoma. *Clinical Case Reports*. DOI: 10.1002/ccr3.3175, (2020)
- **Gulati, K.**, Sherbin M. Plexiform Leiomyoma of the Soft Palate: A Case Study and Literature Review. *J Otolaryngology ENT Res* 5(3): 00143. DOI: 10.15406/joentr.2016.05.00143, (2016)
- **Gulati, K.**, Briyal, S., Gulati, A. Exendin-4 reduces the neurological deficit and infarct volume following cerebral ischemia in rats. *Journal of Clinical Pharmacology*. **51(9)**, 1369 (2011).
- Briyal, S., **Gulati, K.** and Gulati, A. Repeated administration of exendin-4 reduces infarction following focal cerebral ischemia in rats. *Brain Research* 2012; 1427: 23-34. PubMed PMID: 22055454.
- **Gulati, K.**, Green, J. Analysis of the Role of AbgR in *Escherichia Coli* Using Growth Curves. *Journal of American Osteopathic Association*. **109**, 444 (2009). (Presented Poster at Kenneth Suarez Research Day at Midwestern University, Downers Grove, IL and AOA Conference, New Orleans, LA)
- Gulati, A., **Gulati, K.** Diagnostic use of endothelin ET_B receptor agonists and ET_A receptor antagonists in tumor imaging. Oral presentation at the Indian Pharmaceutical Society conference, Jaipur, India (December 2006).
- **Gulati, K.**, Azzarello, J., Sheth, N., Tek, P. Prosthetic Terminal Device for Amputees in Developing Countries. UIC Engineering Exposition (2006). (Presented Poster at Engineering Exposition and won the second place award).

Professional Memberships

1. American Osteopathic Colleges of Ophthalmology and Otolaryngology
2. American Academy of Otolaryngology-Head and Neck Surgery
3. American Osteopathic Association
4. Tau Beta Pi Engineering Honors Society
5. Alpha Eta Mu Beta (Biomedical Engineering Honors Society)
6. Phi Kappa Phi Honors Society
7. Golden Key International Honors Society
8. National Society of Collegiate Scholars