

PETER J. CASANO

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EDUCATION

1976-1980	St. Stanislaus High School, Bay St. Louis Mississippi
1980-1984	Tulane University, New Orleans, LA, B.S. Biochemistry
1984-1988	University of Mississippi Medical School, Jackson, MS, M.D.
1988-1993	University of Mississippi Medical School, Jackson, MS, Otolaryngology Residency

WORK EXPERIENCE

06/1993-01/1994	Assistant Professor of Otolaryngology, University of Mississippi Medical Center
01/1994-04/1994	Private Practice, Gulfport, MS
04/1994-01/2006	Private Practice, Jackson, MS
01/2006-04/2020	Employed Physician General Otolaryngology CHS Inc., Jackson, MS
04/2020-10/2022	Employed Physician Memorial Hospital at Gulfport
11/2022-Present	Employed Physician Ochsner Medical Center Hancock Campus

PROFESSIONAL ORGANIZATIONS AND LICENSES

Licenses	Mississippi Medical License 12096
Associations	American Academy of Otolaryngology-Head and Neck Surgery American Rhinologic Society

MEDICAL PRACTICE INTERESTS

Surgical Interests	General Otolaryngology including the most common pediatric procedures, minor ear surgical procedures, laryngology procedures, endoscopic examinations, minor Head and Neck procedures and diagnostic workups, skin cancers and local flaps and grafts, and snoring and sleep apnea procedures. The sub specialty where I exceed the usual pervue or General Otolaryngology includes, frontal sinus procedures including modified Lothrop and variations, revision surgery in patients with history of multiple failed surgical attempts, approaches for neurosurgery, spinal fluid leaks, sinus and nasal tumors, and pediatric sinus surgery. As with most General Otolaryngologists, I do not perform those procedures which are best referred to Otologists, Head and Neck Teams, Laryngologists, or Cosmetic specialists.
Practice	I pride myself on being mindful of my patient's resources including their time and

Perspective financial limitations. I take efforts to avoid having patients wait any longer than necessary and go to lengths to investigate economical options for the medications that are indicated.
I rely heavily on careful selection of antibiotics and bacterial cultures to ensure that maximal medical treatment has been established before considering surgery for patients with chronic infection.
In patients with headaches or reflux who believe that they have a primary sinus or nasal problem, I am experienced in providing initial treatment that often precludes them needing to seek yet another physician to address their underlying problem.

PERSONAL LIFE AND INTERESTS

Daughter Kelsey Casano, 29 Ochsner Radiology Resident
Interests Creating virtual reality educational materials, educational website design, JiuJitsu (Gracie purple belt), antique vehicles and restorations, cooking, live music

EDUCATIONAL PROJECTS

Current Project ENT 3D – The creation of computer and video assets and their assembly into stereoscopic and virtual reality medical education demonstrations. The project is at a milestone, the initial 3 chapter educational packet for primary care providers is complete and read for viewing. The project will extend throughout my professional lifetime and include an expanding catalog of topics.

The first steps are completed: creation of detailed computer models of sinus and nasal anatomy and other head and neck anatomy, archiving stereoscopic video of various surgical procedures and clinical findings, cadaveric sinus dissections documented with stereoscopic photography, development of work-flows and skills with the complicated software needed to produce final materials. This includes proficiency in computer hardware assembly and graphics software such as Photoshop, 3D Studio Max, Zbrush, Premier Pro, After Effects, and Bootstrap web design. Another important aspect of the project is the acquisition of specialty hardware to display to a variety of different sized venues.

Chapters 1, 2, and 3 are completed and can be viewed on the project website, ent3d.com and an AAFP CME approved activity can be accessed at www.petercasano.com/cme

Nose Cards This 39 page booklet, published initially in 1998 and more recently converted to web and video based media, demonstrates basic sinus and nasal anatomy. It is suitable for patients and primary care physicians. The book is formatted into 4 x 5 inch cards that fit into an inexpensive stereoscopic (3D) viewer. The images are seen with true depth perception, markedly enhancing the clarity and providing an novel and memorable experience.
Nose Cards is viewable in both regular and 3D formats on my website, ent3d.com

PUBLICATIONS AND PRESENTATIONS

- Publications
- Farid El Torki, Peter Casano, Wayne Reed, Russell Schmehl. Association of Small Molecular Cosolutes with Water-Soluble Polymers. Effects of Polymer Binding on the Reactivity of Water-Soluble Porphyrins. *The Journal of Physical Chemistry*. 1987; 91 (13): 3686–3690
- Susan Wellman, Peter Casano, Duane Pilch, William Marzluff, Donald Sittman. Characterization of Mouse H3.3-like histone genes. *Gene*. 1987; 59: 29-39
- Vinod Anand, Peter Casano, Richard Flaiz. Diagnosis and Treatment of the Carotid Artery in the Middle Ear. *Otolaryngology Head and Neck Surgery*. 1991;105 (5):743
- Peter Casano. Presentation of a patient with Eyelid Cysts, A discussion of the differential diagnosis and the pathological findings. *Archives of Otolaryngology, Head and Neck Surgery*. 1989; (115) Residents Page
- Peter Casano. *The Treatment of Jet Lag Using Bright Light*. This 70 page, self-published book, carefully reviews the literature and is for distribution with “light glasses” phototherapy devices that are designed to treat jet lag, shift work intolerance, and delayed sleep onset syndrome.
- The facial nerve. Presented to the Mississippi Chapter of The American College of Surgeons meeting, 1989.
- Presentations
- Peter Casano, Frank Melvin, Winsor Morrison. *Hearing Loss in Sickle Cell Disease*. Poster Presentation, American Academy of Otolaryngology-Head and Neck Surgery Meeting, San Diego, CA,1990
- Peter Casano, Vinod Anand, Richard Flaiz. *Aberrant Carotid Artery in the Middle Ear*. Poster Presentation, American Academy of Otolaryngology-Head and Neck Surgery Meeting, San Diego, CA,1990
- Comparison of light levels of common phototherapy devices. Presented at the American Psychiatric Association Convention, Washington D.C., 1992.
- Computer generated animations highlighting the decision making process in the treatment of otitis media. University of Mississippi Medical Center Pediatric Grand Rounds, 1996
- Stereoscopic nasal anatomy and nasal hump reduction. Instructor at “Fundamentals of Rhinoplasty” course, Jackson, MS, 1997
- Stereoscopic Computer Generated Sinus Anatomy. Instructional Course, American Academy of Otolaryngology-Head and Neck Surgery Meeting, San Francisco, CA,1997
- Stereoscopic Computer Generated Sinus Anatomy. University of Mississippi Medical Center Otolaryngology Grand Rounds, 1999
- Stereoscopic Computer Generated Sinus Anatomy. LSU Medical Center New Orleans Otolaryngology Grand Rounds, 1999
- Stereoscopic Computer Generated Sinus Anatomy. LSU Medical Center Shreveport Otolaryngology Grand Rounds, 1999
- Research Assistant, Tulane University, Department of Chemistry, Russell Schmehl, Ph.D., 1983-1984.
- Research Assistant, Tulane Medical Center, Department of Biochemistry, Carl Bernofsky, Ph.D., 1984
- Research Assistant, University of Mississippi Medical Center, Donald Sittman, Ph.D., 1985-1986

Experience

Research Assistant, University of Mississippi Medical Center, James D. Hardy, M.D., 1990

An attempt was made to create a composite free flap using radiated canine tracheas and rigid vascular graft material in conjunction with an isolated, diverted loop of jejunum. Once the composite graft had grown to the substrate, it was then transferred in a second stage for tracheal reconstruction. Infection proved to be a greater barrier than anticipated.

One component of this project included practicing micro vascular anastomosis on rats as free graft transfer was the final step in the staged reconstruction.