

COLLEGE OF MEDICINE CURRICULUM VITAE

Jose M. Manaligod, MD
August 9, 2007

EDUCATIONAL AND PROFESSIONAL HISTORY

Education

1986	B.A.	Northwestern University, Evanston, Illinois
1990	M.D.	University of Illinois College of Medicine, Chicago, IL
1990-1991	Intern	General Surgery, University of Iowa Hospital and Clinics
1991-1995	Resident	Otolaryngology Head and Neck Surgery, University of Iowa Hospital and Clinics
1995-1997	Fellow	Pediatric Otolaryngology, University of Iowa Hospital and Clinics

Certification:

American Board of Otolaryngology: Certified	1996-Present
National Board of Medical Examiners Certification (385862)	1991-Present
DEA License	1997-Present

Licensure:

1995 -97	Iowa
1997 - 01	Kentucky (#33321)
2001-	Iowa (#30862)

Academic Appointments

1997 -01	Assistant Professor University of Kentucky College of Medicine Department of Surgery Division of Otolaryngology Lexington, KY
1997 -01	Otolaryngologist Consultant VA Medical Center Cooper Drive Lexington, KY
1997 -01	Provisional Medical Staff Commission for Children with Special Health Care Needs Commonwealth of Kentucky

- 1999 -01 **Assistant Professor**
University of Kentucky College of Medicine
Department of Pediatrics
Lexington, KY
- 2001-2004 **Assistant Professor**
University of Iowa College of Medicine
Department of Otolaryngology-Head and Neck Surgery
Iowa City, IA
- 2004- **Associate Professor**
University of Iowa College of Medicine
Department of Otolaryngology-Head and Neck Surgery
Iowa City, IA

Honors and Awards

Undergraduate Collegiate Honors / Activities:

Three Year B.A. Program
Dean's List, 1984-1986
Phi Beta Kappa, 1986
Student Manager, Northwestern Football, 1985-1986

Medical School Honors / Activities:

Graduated with Honors, 1990
NIH Summer Research Fellowship Program, 1987
Vice President, Alpha Omega Alpha Honor Medical Society, 1989-1990
Realities of Medicine Seminars, 1986-1988
Planning Committee, 1987
Youth Health Outreach Program, 1986-1987

TEACHING

University of Iowa Medical School Activities

- 2003- University of Iowa College of Medicine Admissions Committee
- 2003- University of Iowa College of Medicine Medical Student Research
Club Lecture October 8, 2003
- 2001-03 University of Iowa College of Medicine Admission Interviews
- 2001- University of Iowa College of Medicine, Third and Fourth Year
Medical Students, Otolaryngology Rotation, Supervision in Clinic
and Pediatric Otolaryngology Rounds

- 2003- University of Iowa College of Medicine Medical Student Summer Research Program: Faculty Mentor for Brian Bane M2-“ EYA1 Expression and Inner Ear Development in Xenopus laevis”
- 2002-03 University of Iowa College of Medicine Foundations in Clinical Practice II, Case Based Learning Small Group Facilitator
- 2002- University of Iowa College of Medicine Foundations in Clinical Practice II, Otolaryngology-Head and Neck Surgery Department Liaison
- 2002- University of Iowa College of Medicine Foundations in Clinical Practice IV, Otolaryngology-Head and Neck Surgery Department Liaison

University of Kentucky Medical School Activities

- 1997 -2001 Third Year Medical Students, Monthly Lectures
- 1997 -2001 Second Year Medical Students, ENT Examination and Pathology Lecture “Introduction to the Medical Profession”
- 1998 -2001 First Year Medical Students, ENT Examination “Introduction to the Medical Profession”
- 1998-99 Third Year Medical Students Combined Medicine/Surgery Clerkship, Patient Based Learning Exercises
- 1998 -2001 Preceptor, University of Kentucky Science Outreach Center Summer Research Program

University of Iowa Graduate Medical Education Activities

- 2005 Co-Director, Pediatric Airway Endoscopy Course, Iowa City, IA April 30 – May 2, 2005
- 2004 Co-Director, Pediatric Airway Endoscopy Course, Iowa City, IA April 2 – 5, 2004
- 2003 Co-chair, Resident Research Committee, University of Iowa Department of Otolaryngology-Head and Neck Surgery

- 2003 University of Iowa Anesthesia Department Pediatric Anesthesia Seminar- Anesthesia Considerations in Pediatric Otolaryngology Surgery September 10, 2003
- 2003 Co-Director, Pediatric Airway Endoscopy Course, Iowa City IA April 11-15, 2003
- 2002 University of Iowa Otolaryngology Resident Didactic Lecture Series Recurrent Respiratory Papillomatosis October 21, 2002
- 2002- Member, Prospectus Defense Committee for Katherine Vander Werff, Department of Speech Pathology and Audiology
- 2002 Co-Director, Pediatric Airway Endoscopy Course, Iowa City IA May 31- June 3, 2002
- 2002 Otolaryngology Residents Pediatric Laryngoscopy/Bronchoscopy Inservice January 22, 2002
- 2001- University of Iowa Otolaryngology Resident Didactic Lecture Series
 - i. The Syndromal Child
 - ii. Pediatric Vocal Fold Paralysis

University of Kentucky Graduate Medical Education Activities

- 1997 -2001 University of Kentucky Otolaryngology Residents- Pediatric Otolaryngology Lecture Series (Yearly series of four lectures)
- 1999-2001 University of Kentucky Pediatric Residents- Pediatric Otolaryngology Lecture Series (Yearly series of three lectures)

SCHOLARSHIP

Journal Publications:

1. Cable BB, **Manaligod JM**, Bauman NM, Smith RJH: Pediatric Airway Reconstruction- Principles, Decision Making and Outcomes at the University of Iowa Hospitals and Clinics. *Annals of Otolaryngology, Rhinology and Laryngology*, Vol 113:289-293, 2004.

2. Jarrett WA, Militsakh O, Anstead M, **Manaligod JM**: Endoscopic Sinus Surgery and Cystic Fibrosis: Effects on Pulmonary function and Ideal Body Weight. *Ear, Nose, and Throat Journal* Vol 83: 118-121, 2004.
3. Paulson EP, Cable BB, **Manaligod JM**, Kernstine KH. Tracheal spindle cell tumor in a child. *Annals of Otolaryngology, Rhinology & Laryngology* Vol112(12):1069-72, 2003.
4. Milam M, Hill SA, **Manaligod JM**: Lingual Dermoid Cysts. *Otolaryngology-Head and Neck Surgery*, Vol 128(3):428-9, 2003.
5. Bauman NM, Giguere CM, **Manaligod JM**, Sato Y, Burke DK, Smith RJH: Management of Lymphatic Malformations- If, When and How. *Operative Techniques in Otolaryngology-Head and Neck Surgery*, Vol 13:85-92, 2002.
6. Francois J, **Manaligod JM**: Upper Airway Abnormalities in Canavan Disease. *International Journal of Pediatric Otorhinolaryngology*, Vol 66(3):303-307, 2002.
7. Jarrett WJ, Ribes J, **Manaligod JM**: Biofilm Formation on Tracheostomy Tubes. *Ear Nose and Throat Journal*, Vol 81(9):659-661,2002.
8. Diamond J, Skaggs J, **Manaligod JM**: Free Radical Damage: A Possible Mechanism of Laryngeal Aging. *Ear Nose and Throat Journal*, Vol 81(8), 531-33, 2002.
9. Yewell JA, Archer SA, Haydon R, **Manaligod JM**: Complications of Intranasal Prescription Narcotic Abuse. *Annals of Otolaryngology, Rhinology and Laryngology*, Vol 111(2):174-7, 2002.
10. Valentino J, Brame B, Studtmann KE, **Manaligod JM**: Primary tracheal papillomatosis presenting as reactive airway disease. *Otolaryngology- Head and Neck Surgery*, Vol 126(1):79-80, 2002.
11. Wermeling DPH, Miller JL, Archer SM, **Manaligod JM**, Rudy AC: Bioavailability and Pharmacokinetics of Lorazepam After Intranasal, Intravenous, and Intramuscular Administration. *Journal of Clinical Pharmacology*, Vol 41(11): 1225-31, 2001.
12. **Manaligod JM**, Skaggs J, Smith RJH: Localization of the Gene for Familial Laryngeal Abductor Paralysis to Chromosome 6q16. *Archives of Otolaryngology-Head and Neck Surgery* Vol. 127-8:913-7, 2001.
13. Hill SA, Milam M, **Manaligod JM**: Tracheal Agenesis: A case report and review of the literature. *International Journal of Pediatric Otolaryngology* Vol 59:63-68, 2001

14. Militsakh O, **Manaligod JM**: Cervical Bronchogenic Cyst. Archives of Otolaryngology-Head and Neck Surgery, Vol 127: 1390-1392, 2001.
15. **Manaligod JM**, Milam M, Hill SA, Sanders T, Skaggs J, Smith RJH: Age related mitochondrial DNA mutations in the human larynx. Laryngoscope Vol. 110(12): 2123-7, 2000.
16. Matheny M, Hall B, **Manaligod J**: Otolaryngologic Aspects of Oral-Facial-Digital Syndrome. International Journal of Pediatric Otolaryngology, Vol 53 (2000) 39-44, 2000.
17. **Manaligod J**, Smith R, Menezes A, Bauman N.: Cervical Vertebral Anomalies in Patients with Anomalies of the Head and Neck. Annals of Otolology, Rhinology, and Laryngology Vol 108(10):925-933, 1999
18. Chen A, Mueller R. Prasad S, Greinwald J, **Manaligod J**, Muilenburg A, Verhoeven K, VanCamp G, Smith R.: Presymptomatic Diagnosis of Non-Syndromic Hearing Loss by Genotyping. Archives of Otolaryngology – Head and Neck Surgery Vol124(1):20-24, 1998
19. **Manaligod J**, Smith R.: Familial Laryngeal Paralysis. American Journal of Medical Genetics Vol77:277-280, 1998
20. Bent JP III, **Manaligod J**, Smith RJ.: Unilateral Laryngeal Dysgenesis. Otolaryngology – Head and Neck Surgery Vol 119(6):712,1998
21. Greinwald J, Scott D, Marietta J, Carmi R, **Manaligod J**, Ramesh A, Zbar R, Kraft M, Elbedour K, Yairi Y, Musy M, Skvorak A, VanCamp G, Srisailapathy S, Lovett M, Morton C, Sheffield V, Smith R.: Construction of P1-Derived Artificial Chromosome and Yeast Artificial Chromosome Contigs Encompassing the DFNB7 and DFNB11 Region of Chromosome 9q13-21. Genome Research Vol 7:879-886, 1997
22. Endres D, **Manaligod J**, Simonsen T, Funk G, McCulloch T, Hoffman H.: The Role of Magnetic Resonance Angiography in Head and Neck Surgery. Laryngoscope Vol. 105:1069-1076, 1995.
23. Michaud AP, Bauman NM, Burke DK, **Manaligod JM**, Smith RJH: Spastic diplegia and motor disorders occurring in infants receiving interferon-alpha. Laryngoscope Vol. 114:1231-1236, 2004.
24. Hone S, Bauman NM, Smith RJH, McCulloch TM, Haller J, **Manaligod JM**: The Lefort I Approach to Juvenile Nasal Angiofibroma, in progress.

25. Hamilton G, Giguere CM, Bauman NM, Smith RJH, **Manaligod JM**: Management of Laryngeal Webs and Velocardiofacial Syndrome, in progress.
26. Brumund K, **Manaligod JM**, Bauman NM: Dacrocystoceles and Nasal Obstruction, in progress.

Books and Book Chapters:

1. The Syndromal Child. **Manaligod J**, Smith R. Head and Neck Surgery – Otolaryngology, 2nd Edition. ED. Bailey B, ©1998 Philadelphia, PA, Lippincott-Raven Publishers, p 1259
2. The Syndromal Child. **Manaligod J**, Smith R. Head and Neck Surgery – Otolaryngology, 3rd Edition. ED. Bailey B, ©2001 Philadelphia, PA, Lippincott-Raven Publishers.

Areas of Research Interest and Current Projects

- | | |
|---------------|---|
| 1993-1994 | Resident Research Rotation
Supervisor: Jose Assouline
Project: Heat Shock Protein Expression in Neuronal Cells |
| 1994-1995 | Resident Research Rotation
Supervisor: RJH Smith
Project: Mitochondria DNA Mutations in Archival Temporal Bone Specimens from Patients with Presbycusis |
| 1995-1996 | Pediatric Otolaryngology Fellowship Research
Supervisor: RJH Smith
Project: Physical Mapping of DFNB7, an Autosomal Recessive Form of Hereditary Hearing Loss |
| 1997-present | Molecular Genetics of Laryngeal Dysfunction and Disease |
| 2002- present | Molecular Genetics of Ear Development in <i>Xenopus Laevis</i> |

Grants Received

ACTIVE

Principal Investigator-
Carver Trust Foundation Collaborative Pilot Grant Application 2003-05
“ Molecular Genetics of Ear Development in *Xenopus Laevis*”
Two Year Budget- \$45,360

Principal Investigator-
NIDCD, K23 DC 4805-01A1, "Molecular Genetics of Familial Laryngeal Paralysis"
IRB# 200102037
Five year total budget: \$1,413,413

Co investigator-
IRB#200109077 "A Phase II Trial of SGN-00101 in the Treatment of Pediatric Recurrent Respiratory Papillomatosis"
Sponsor: Stressgen
Budget-Based on enrollment-approx. \$1200 per patient (total of 4-6 patients)

Co-Investigator-
IRB#9804024 "Picibanil Sclerotherapy-A MultiCenter Trial
IND#BB5266
Sponsor: US/ drug supplied by Chugai Biopharmaceuticals
OPD grant-(Orphan Products Grant) \$200,000/yr. for 3 years
Co-Investigator-
IRB#9105270 "Therapy of Massive Capillary Hemangioma, Juvenile Nasopharyngeal Angiofibroma, and Lymphangioma with Recombinant Interferon Alpha-2A"
Sponsored by Hoffman-LaRoche Company
Drug Supply Only

COMPLETED

Co-Investigator
"A Single-Dose, Open-Label, Randomized, Three-Way Crossover, Bioavailability Study of 1.0 & 2.0 mg Intranasal Hydromorphone Hydrochloride Compared to 2.0 mg Intravenous Hydromorphone Hydrochloride in Healthy Human Volunteers"
Drug Product Evaluation Unit
University of Kentucky Chandler Medical Center
Protocol # HM9902
2000-2001

Co-Investigator
"A Single-Dose, Open-Label, Three-Way, Incomplete Block, Crossover, Randomized, Pilot Study of Butorphanol Tartrate Comparing Intranasal Administration via Multi-Dose Spray Pump Versus Single Dose Sprayer in Healthy Human Volunteers"
Drug Product Evaluation Unit
University of Kentucky Chandler Medical Center
Protocol # BT9901
1999-2001

Principal Investigator-
“Molecular Genetics of Familial Laryngeal Paralysis” University of
Kentucky Children’s Miracle Network Research Grant,
\$17,664.00, 1999.

Principal Investigator-
“Age Related Mitochondrial DNA Mutations in Archival Temporal
Bone Sections from Patients with Presbycusis”
American Laryngological, Rhinological, and Otological Society, Inc.
\$25,000.00 1995-1996

Presentations at Meetings

International:

Cairo University Otorhinolaryngology 4th Annual Department Conf.
Management of pediatric airway obstruction
Cairo, Egypt, March 9, 2005

Cairo University Otorhinolaryngology 4th Annual Department Conf.
Treatment of lymphatic malformations
Cairo, Egypt, March 9, 2005

Cairo University Otorhinolaryngology 4th Annual Department Conf.
Surgical techniques in the management of pediatric upper airway
obstruction
Cairo, Egypt, March 9, 2005

University of Iowa Otolaryngology Basic Science Course
Congenital Laryngeal Anomalies
Iowa City, IA, July 25, 2003

University of Iowa Head and Neck Laser Course
Panel Discussion: Laser Treatment of Laryngeal Anomalies
Iowa City, IA June 9, 2002

University of Iowa Pediatric Airway Endoscopy Course
Foreign Body Removal, Laser Bronchoscopy Laboratory
Iowa City, IA, June 2, 2002

University of Iowa Pediatric Airway Endoscopy Course
Congenital genetic syndromes with airway anomalies
Iowa City, IA June 2, 2002

University of Iowa Pediatric Airway Endoscopy Course

Moderator, Airway Anomaly Panel Discussion
Iowa City, IA June 2, 2002

University of Iowa Pediatric Airway Endoscopy Course
Recurrent Respiratory Papillomatosis
Iowa City, IA, June 1, 2002

University of Iowa Pediatric Airway Endoscopy Course
Vocal Fold Paralysis/ Paradoxical Vocal Cord Motion
Iowa City, IA, May 31, 2002

University of Iowa Brian F. McCabe Symposium
Genetic Linkage Analysis of Familial Laryngeal Paralysis
Iowa City, IA, 2000

University of Iowa Head and Neck Course
Pediatric Surgery Reconstruction
Iowa City, IA 1997

University of Iowa Pediatric Otolaryngology Conference
Syndromes of the Head and Neck
Iowa City, IA 1995-1997

University of Iowa Laser Course
Laser Application in Bronchoesophagoscopy
Iowa City, IA 1995-1997

University of Iowa Otolaryngology Basic Science Course
Disease of the Thyroid
Iowa City, IA 1992-1997

University of Iowa Otolaryngology Basic Science Course
Temporal Bone Anatomy
Iowa City, IA 1992-1997

National:

Association for Research in Otolaryngology Midwinter Meeting
Refined Mapping of the Familial Laryngeal Abductor Paralysis Locus and
Candidate Gene Mutation Screening
Daytona Beach, FL February 2003

American Society of Pediatric Otolaryngology
The Lefort I Approach to Juvenile Nasal Angiofibromas,
Boca Raton, FL May 2002

American Society of Pediatric Otolaryngology

Genetic Linkage of Familial Laryngeal Abductor Paralysis to D6S1021
Orlando, FL May 2000

Triological Society
Age Associated Mitochondrial DNA Mutations In The Human Larynx
Orlando, FL May 2000

American Society of Human Genetics
Construction of P1-Derived Artificial Chromosome and Yeast Artificial
Chromosome Contigs Encompassing the DFNB7 and DFNB11 Region of
Chromosome 9q13-21.
St. Petersburg, FL February 1996

Association for Research in Otolaryngology Midwinter Meeting
Stress Protein Production in Response to Electrical Stimulation in
Neuronal Cell
St. Petersburg, FL February 1994

Association for Research in Otolaryngology Midwinter Meeting
Molecular Analysis of Archival Temporal Bone Tissues, Recent Advances
in Human Temporal Bone Histopathology Workshop.
St. Petersburg, FL February 1994

American Society of Pediatric Otolaryngologists at the Combined
Otolaryngologic Spring Meeting
Michaud A, Bauman NM, Smith RJH, Burke D, Sato Y, **Manaligod JM**.
Spastic diplegia and motor disorders occurring in infants receiving
interferon-alpha therapy: a meta-analysis and case report.
Nashville, Tennessee, May 2003.

State:

University of Iowa, Department of Otolaryngology- Head and Neck
Surgery Clinical Conference, Alumni Weekend
Treatment of Lymphatic Malformations with OK-432 Sclerotherapy
Iowa City IA, October 3, 2003

Iowa Academy of Otolaryngology Annual Meeting
Invited Speaker
Recurrent Respiratory Papillomatosis
Des Moines IA, April 12, 2003

University of Iowa, Department of Family Medicine
Refresher Course for the Family Physician
Common Disorders of the Auricle and External Auditory Canal
Iowa City, IA April 9, 2003

University of Iowa, Department of Otolaryngology- Head and Neck
Surgery Clinical Conference
Congenital Vocal Fold Paralysis
Iowa City, October 4, 2002

University of Kentucky, Division of Otolaryngology – Head and Neck
Surgery
Tenth Anniversary Conference
Lymphatic Malformations in Children.
October 23, 1998

University of Kentucky, Division of Otolaryngology – Head and Neck
Surgery, Pediatric Otolaryngology Fourth Annual Primary Care Update in
Otolaryngology Gastroesophageal Reflux and Its Impact Upon the
Pediatric Upper Aerodigestive Tract.
Lexington, KY December 6, 1997

University of Kentucky, Division of Otolaryngology – Head and Neck
Surgery, Pediatric Otolaryngology Fourth Annual Primary Care Update in
Otolaryngology
Noisy Breathing in Children.
Lexington, KY December 6, 1997

Illinois Association of Craniofacial Teams Workshop
Problems in Cleft Lip & Palate Surgery
Chicago, IL 1994

Local:

University of Iowa Department of Nursing, 10th Annual Oto Update
Management of Pediatric Airway Obstruction
Iowa City, IA, April 9, 2005

Des Moines Otolaryngology Club
Vocal Fold Dysfunction
Des Moines IA, September 11, 2003

University of Iowa, Pediatric Anesthesia Grand Rounds
Anesthesia Considerations in Pediatric Airway Surgery
Iowa City IA, September 10, 2003

University of Iowa, Molecular Otolaryngology Laboratory Meeting
Familial Laryngeal Abductor Paralysis

Iowa City, January 18, 2002

University of Iowa, Pediatric Transport Team Conference
Airway Problems and Pediatric Transport
Iowa City, IA January 10, 2002

University of Kentucky, Department of Surgery Grand Rounds.
Vocal Fold Paralysis
Lexington, KY September 21, 2000.

University of Kentucky, Department of Surgery Grand Rounds.
Surgical Management of the Pediatric Airway.
Lexington, KY October 3, 1998

University of Kentucky, Department of Pediatrics Conference
Management of the Pediatric Airway. Lexington, KY October 16, 1998

SERVICE

Professional Activities

1996- American Academy of Otolaryngology – HNS, Fellow #55524
1997 - American Medical Association
1997 -01 Bluegrass Otolaryngology Association
1997 -01 Kentucky Medical Association
1998 - American Society of Human Genetics
1998 - Association for Research in Otolaryngology
1997 -2001 University of Kentucky Hospital, Division of Otolaryngology – Head
and Neck Surgery Research Committee
1998 -2000 University of Kentucky Hospital, Ambulatory Surgery Center
Committee
2001- Reviewer, Annals of Otology, Rhinology and Laryngology
2002- Ad hoc reviewer, Clinical Drug Investigation Journal
2002 Reviewer, National Institute of Deafness and Other Communication
Disorders Special Emphasis Panel, Communication Disorders
Review Committee
2002-03 University of Iowa, Pediatric Tracheostomy Standards Core Group
2003- University of Iowa Carver College of Medicine Admissions
Committee