

CURRICULUM VITAE

Kofi Derek O. Boahene, MD

EDUCATION

Doctor of Medicine, graduated *summa cum laude*

Meharry Medical College, Nashville, Tennessee, June 1995 to May 1999

Veterinary Medicine

Moscow Academy of Veterinary Medicine

Moscow, Russia, **June 1990 to September 1992**

Bachelor of Science, graduated *summa cum laude*

Chemistry and Biology, University of Central Arkansas

Conway, Arkansas January 1993 to December 1994

Master of Science Program Electrophysiology

Department of Biology, University of Central Arkansas

Conway, Arkansas, January 1995 to August 1995

Certificate of German Language

Goethe Institute, Accra, Ghana, September 1987 to September

POSTGRADUATE TRAINING

Fellowship, Facial Plastic and Reconstructive Surgery

University of Minnesota, Minneapolis, Minnesota June 2004 to June 2005

Residency, Otorhinolaryngology /Head and Neck Surgery

Mayo Clinic, Rochester, Minnesota, June 1999 to June 2004

Visiting Scholar, Craniofacial Surgery

Australian Craniofacial Unit, Women and Children's Hospital

Royal Adelaide Hospital, Adelaide, Australia, April 2004

Microvascular Surgical Training,

Microsurgery Training Center

Mayo Clinic, Rochester, Minnesota, completed April 2002

Contemporary Management of Head and Neck Cancer

Mt. Sinai Hospital, New York, New York, Completed December 2002

Advanced Training in Maxillofacial Trauma Surgery

Chicago, 2002

Advanced Training in Maxillofacial Trauma Surgery

Minneapolis, Minnesota, August 2004

Comprehensive Course in Rhinology

Mayo Clinic in conjunction with Graz University, Rochester, Minnesota, Completed October 2001 and October 2003

LICENSURE AND BOARD CERTIFICATION

Board Certified, American Board of Otolaryngology, 2005

Medicine and Surgery License, Minnesota Board of Medical Practice, 1999 to present

Maryland Medical Board, 2005 to present

PROFESSIONAL APPOINTMENTS

Assistant Professor, Facial Plastic and Reconstructive Surgery

Department of Otolaryngology/Head and Neck Surgery, Johns Hopkins University Baltimore, Maryland, 2005

Attending Surgeon, Otolaryngology Head and Neck Surgery

Regions Hospital, St Paul, Minnesota, 2004

Clinical and Surgical Instructor, Otolaryngology Head and Neck Surgery

University of Minnesota School of Medicine, Minneapolis, Minnesota, 2004- 2005

Clinical and Surgical Instructor, Otolaryngology Head and Neck Surgery

Mayo Clinic College of Medicine, Rochester, Minnesota, 2003-2004

Chief Resident Associate, Otolaryngology Head and Neck Surgery

Department of Otolaryngology Head and Neck Surgery, Mayo Clinic, Rochester, Minnesota, 2003-2004

Faculty, Chronic Sinusitis Academy, June 2004-Present

Teaching Assistant, Physical Chemistry and Animal Physiology

Department of Chemistry and Biology, University of Central Arkansas, Conway, Arkansas, 1995

Research Assistant, Electrophysiology

Department of Biology, University of Central Arkansas, Conway, Arkansas, 1994-1995

Teaching Assistant, Russian Language

Department of Languages, University of Central Arkansas, Conway, Arkansas, **1993**

HONORS IN THE FIELD OF MEDICINE

The Jack R. Anderson Prize for Scholastic Excellence in Facial Plastic and Reconstructive surgery, 2005

Mayo Brother's Distinguished Fellowship Award

Mayo Foundation, Rochester, Minnesota, 2003

Mayo International Health Program Travel Grant Award, Mayo Foundation, Rochester MN, 2002 and 2003

Excellence in Teaching Recognition Award, Mayo Medical School, Rochester, Minnesota, 1999 and 2000

Graduated top of medical school class, School of Medicine, Class of 1999, Meharry Medical College, Nashville, Tennessee, 1999

Graduated *Summa cum laude*, Medical Doctorate, School of Medicine, Meharry Medical College, Nashville, Tennessee, 1999

Clinical honors earned in Internal Medicine; Pediatrics; Surgery; Obstetrics and Gynecology; Psychiatry and Family Medicine clerkships, Meharry Medical College, Nashville, Tennessee, 1998

Guernsey Holloway Award for Excellence in Clinical Pathology, Meharry Medical College, Nashville, Tennessee, 1997

M.S. Quinland Prize in General Pathology, Meharry Medical College, Nashville, Tennessee, 1996

McCraw - Hills Book Publishers Award for Academic Excellence, Meharry Medical College, Nashville, 1996

SCIENTIFIC RESEARCH HONORS AND AWARDS

Joseph F. Dyer Award for Excellence in Otolaryngology Research

Annual Scientific Assembly of the National Medical Association

Philadelphia, Pennsylvania, 2003

Finalist for Best Clinical Research Award

Combined Otolaryngologic Spring Meeting

Nashville, Tennessee, May 2003

Research: Mucoepidermoid carcinoma of the parotid gland: Mayo clinic experience

Third Place Research Award

Advances in Biomedical and Healthcare Research Award

Merck Co. Foundation and Meharry Medical College

Nashville, Tennessee, 1996

Research: Erythropoietin rapidly induces activation of serine and threonine kinases in human K562 erythroleukemia cells

Cancer Research Award

American Association for Cancer Researchers / National Cancer Institute

Philadelphia, Pennsylvania, 1999

Research: Erythropoietin rapidly induces activation of serine and threonine kinases in human K562 erythroleukemia cells

Alpha Omega Alpha Medical Honor Society

Nashville, Tennessee, 1999

Selected to this prestigious National Medical Honor Society as a junior medical student

Cancer Research Award

American Association for Cancer Researchers / National Cancer Institute

New Orleans, Louisiana, 1998

The Horace Frazier Award

Awarded for leadership and creative thinking

Meharry Medical College

Nashville, Tennessee, 1997

McGraw-Hills Book Publishers Award for Academic Excellence

Nashville, Tennessee, 1996

Alpha Chi National Honorary Society

Conway, Arkansas, 1992

Selected to this prestigious national honors society as a second year university student

First Place Award- Russian Quiz Bowl for Exchange Students

Moscow, Russia, 1991

Goethe Institute and German Cultural Center Award

Goethe Institute, Accra, Ghana, 1988

Awarded for promoting world peace through languages and cultural exchange

Graduated *summa cum laude* Chemistry and Biology

Chemistry and Biology

University of Central Arkansas

Conway, Arkansas, 1994

INVITED SCIENTIFIC PRESENTATIONS

Percutaneous implants in craniofacial reconstruction, Johns Hopkins, Baltimore 2006

Management of the soft tissue surrounding percutaneous implants, Johns Hopkins, Baltimore 2006

New approaches to tip rhinoplasty, International congress of plastic and reconstructive surgery, Lima, Peru October 2006

Microtia repair, New York, 2006

Alar Rim Grafting in Septorhinoplasty: Indications, Technique, and Outcome. Los Angeles, 2005, Jamaica, 2006

Photofillers,
COSM, 2005

Medical Missions

Presented at the Annual Joint Scientific Meeting of Minnesota Otolaryngology – Karolinska Institute, Sweden, May 2005

Mucosal Flap Approximation in Microlaryngeal Surgery: Fibrin Glue as a Viable Alternative to Standard Suturing Technique . Shepherd Pryor, MD, Eric Moore, MD and Nicholas Maragos, MD and Kofi Boahene, MD *Presented at the Annual Scientific meeting of the Minnesota Society of Otolaryngology, Minneapolis, Minnesota, January 2005*

Mucosal Flap Approximation in Microlaryngeal Surgery: Fibrin Glue as a Viable Alternative to Standard Suturing Technique. Shepherd Pryor, MD, Eric Moore, MD and Nicholas Maragos, MD and Kofi Boahene, MD

Presented at the Annual Scientific Meeting of the American Academy of Otolaryngology Head and Neck Surgery

New York, New York, September 2004

Heminasal Proboscis with Associated Microphthalmia and Encephalocele

Kofi Boahene MD, Ricky Clay MD, and Dana Thompson MD

Presented at the Annual Scientific Meeting of the American Academy of Otolaryngology Head and Neck Surgery

Orlando, Florida, September 2003

Fungal Induced Eosinophilic Inflammation in Chronic Rhinosinusitis

Kofi Boahene MD, David Sherris MD, Hirohita Kita MD, and Jens Ponikau MD

Presented at the Annual Scientific Meeting of the National Medical Association Philadelphia, Pennsylvania, August 2003

Mucoepidermoid Carcinoma of the Salivary Gland: Mayo Clinic Experience

Kofi Boahene MD, Daniel Pinheiro, MD, Jean Lewis MD and Kerry Olsen MD

Presented at American Head and Neck Society Meeting

Nashville, Tennessee, May 2003

Endoscopic Repair of CSF Rhinorrhea and Encephalocele: A Case for Intrathecal Fluorescein Localization. Kofi Boahene MD, David Sherris MD

Presented at American Rhinologic Society Meeting

Nashville, Tennessee, May 2003

Facial Nerve Paralysis from Occult Malignancies

Kofi Boahene, MD, Kerry Olsen MD, Collin Driscoll, MD, Jean Lewis, MD and Thomas McDonald, MD

Presented at Annual Scientific Meeting of the American Academy of Otolaryngology Head and Neck Surgery

San Diego, California, September 2002

Penetrating Craniofacial Injuries: A Case Report and Review of the Literature

Anthony E. Brissett MD, Kofi O. Boahene MD and Dana T.Link MD

Presented at the Association for Research in Otolaryngology Mid-Winter meeting

St. Petersburg, Florida, 2002

Acute Airway Compromise and Hearing Loss from Eustachian Tube Teratoma

Kofi Boahene MD and Dana Thompson MD.

Presented at the Annual Scientific Meeting of the Society for Ear, Nose and Throat Advances in Children

San Diego, California, November 2001

Craniofacial Metal Bolt Injury: An Unusual Mechanism

Kofi Boahene MD, Dana T. Link MD, Douglas L. Schulte, MD, Anthony E. Brissett, MD

Presented at the Annual Scientific Meeting of the National Medical Association Washington DC, August 2000

"Erythropoietin Rapidly Induces Activation of Serine and Threonine Kinases in Human K562 Erythroleukemia Cells" Derek Kofi Boahene BS and Samuel Adunyah PhD.

Presented at the annual scientific meeting of the American Association of Cancer Researchers, New Orleans, Louisiana, 1999

MEDICAL GRAND ROUNDS PRESENTATIONS

Transfacial Approaches to the anterior and middle cranial base

Department of neurosurgery, Johns Hopkins, April 2007

The extended subcranial approach to the anterior skullbase,

Department of otolaryngology head and neck Surgery, University of Maryland, June 2006

Advances in Osseous Reconstruction

Department of Otolaryngology Head and Neck Surgery
Department of Surgery, Southern Illinois University
Springfield, Illinois, February, 2004
Functional Nasal Reconstruction: Enhancing your outcomes
Citywide Otolaryngology Conference
Minneapolis, Minnesota, December 2004
Autologous Platelet Rich Plasma in Tissue Regeneration
Department of Surgery, Komfo Anokye Teaching Hospital
Kumasi, Ghana, November 2004
Advances in Osseous Reconstruction
Department of Otolaryngology Head and Neck Surgery
Johns Hopkins School of Medicine, Baltimore, MD, October 2004
Injuries to major glands and ducts
Mayo Clinic, Rochester, Minnesota, May 2004
Distraction Osteogenesis: Application in Head and Neck Surgery
Mayo Clinic, Rochester, Minnesota, November 2003
Dysphagia and Aspiration: Evaluation and Management
Mayo Clinic, Jacksonville, Florida, July 2003
Head and Neck Manifestations of Tuberculosis
Mayo Clinic, Rochester, Minnesota, 2002
Benign and Malignant Nasopharyngeal Lesions
Mayo Clinic, Rochester, Minnesota, 2001

SCIENTIFIC ABSTRACTS AND PUBLICATIONS

Synovial Cell Sarcoma of the Infratemporal Fossa. Victor Lai, M.D.; Tarik Y. Farrag, **M.D.**; Dengfeng Cao, M.D., Ph.D.; Nafi Aygun, M.D.; **Kofi Boahene**, M.D.; Ralph P. Tufano, M.D
American Journal of otolaryngology

The Use of Fibrin Sealant in Closing Muco-cutaneous Fistulae Following Head and Neck Surgery. Tarik Y. Farrag, M.D.; **Kofi Boahene**, M.D.; Nishant Agrawal, M.D.; Laurie Turner, A.A., RN; Patrick J. Byrne, M.D.; Lisa Earnest, M.D.; Ralph P. Tufano, M.D.; Wayne M. Koch, M.D
Otolaryngol Head Neck Surg; Accepted; In Press

Byrne PJ, Kim, M, **Boahene, DK**, Millar J Moe, K. The temporalis tendon transfer as part of a comprehensive approach to facial reanimation, accepted for publication, Archives of facial plastic surgery, 2007

Heminasal Proboscis with Associated Microphthalmia and Encephalocele

Kofi Boahene MD, Ricky Clay MD, and Dana Thompson MD

Journal of Craniofacial Surgery, March 2005, Volume 16, Issue 2

Facial Nerve Paralysis from Occult Malignancies

Kofi Boahene MD, Kerry Olsen MD, Collin Driscoll MD, Jean Lewis MD and Thomas McDonald MD

Otolaryngology- Head and Neck Surgery, April 2004

Popular Press : Enet News@entnet.com April 2004

Mucoepidermoid Carcinoma of the Salivary Gland: Mayo Clinic Experience

Kofi Boahene MD, Daniel Pinheiro MD, Jean Lewis MD and Kerry Olsen MD

Archives of Otolaryngology-Head and Neck Surgery, July 2004

Requested as an Editor's Choice for inclusion in Audio-digest presentation, February 2003

Craniofacial Metal Bolt Injury: An Unusual Mechanism.

Boahene, Kofi O. MD; Thompson, Dana M. MD; Schulte, Douglas L. MD; Brissett, Anthony E. MD

Journal of Trauma-Injury Infection & Critical Care. 56(3):716-719, March 2004

Fungal Induced Eosinophilic Inflammation in Chronic Rhinosinusitis

Kofi Boahene MD, David Sherris MD, Hirohita Kita MD, and Jens Ponikau MD

Abstract: Annual Scientific Meeting of the National Medical Association

Philadelphia, Pennsylvania, August 2003

Endoscopic Repair of CSF Rhinorrhea and Encephalocele: A Case for Intrathecal Fluorescein Localization. **Kofi Boahene** MD, David Sherris, MD

Acute Airway Compromise and Hearing Loss from Eustachian Tube Teratoma

Kofi Boahene, MD and Dana Thompson, MD.

Presented at the Society for Ear, Nose and Throat Advances in Children Meeting,

Published in Proceedings of Meeting, November 2001

"Erythropoietin Rapidly Induces Activation of Serine/Threonine Kinases in Human K562 Erythroleukemia Cells" **Derek Kofi Boahene** BS and Samuel Adunyah PhD.

Published abstract in the Proceedings of the American Association of Cancer Researchers, 1999

"Luminal L-Alanine Stimulates Exocytosis at the K Conductive Apical Membrane of *Aplysia californica* enterocyte" Jerald Denton. **Derek Kofi Boahene** and William Moran, PhD.

Published in the American Journal of Physiology, Vol. 5, 1998

BOOK CHAPTERS PUBLICATIONS

Current Diagnosis and Treatment in Otolaryngology- Head and Neck Surgery

“Otosclerosis” Lange Publication Current Series, First Edition 2004

Derek Kofi Boahene, MD and Collin Driscoll, MD

Essential Tissue Healing in the Head and Face

Nerve Synkinesis and Nerve Reanimation, BC Decker Publishers, First Edition 2005

Derek Kofi Boahene, MD and Mark May, MD

Facial Plastic and Reconstructive Surgery

Facial Analysis in Rhinoplasty, Thieme Publishers, Third edition 2007

Derek kofi Boahene, MD and Peter A. Hilger, MD

Synthetic Implants

Facial Plastic and reconstrucrive surgery, Thieme Publishes, Third edition, 2007

Derek Kofi Boahene, MD

Local Flaps in facial Reconstruction

Ballenger's Head and Neck Surgery, 2007

Peter A. Hilger MD, and **Derek Kofi Boahene, MD**

SCIENTIFIC RESEARCH

Modified Implantable Natural Protein Biomatrix

Principal Investigator: **Derek Kofi Boahene, MD**, and David Matthews Ph.D

Gel-Del Technologies

Minneapolis, Minnesota

Alar Rim Grafting n Septorhinoplasty: Indications, technique and Outcomes

Derek Kofi Boahene, MD and Peter A. Hilger, MD

Department of Otorhinolaryngology Head and Neck Surgery

Minneapolis, Minnesota

Facial reanimation surgery in children

Derek kofi. Boahene, MD and James Sidman, MD

Childrens Hospital of Minneapolis

Minneapolis, Minnesota

Electromyographic studies of perinasal muscles in the post-rhinoplasty patient

Kofi D.O. Boahene, MD and Peter Hilger, MD

Department of Otorhinolaryngology Head and Neck Surgery

Minneapolis, Minnesota

IRB#-2050-01 In Vitro Model for Eosinophilic Inflammation in Chronic Rhinosinusitis

Kofi Boahene, MD, Jens Ponikau, MD, Hirohito Kita, MD and David Sherris, MD

Department of Otorhinolaryngology Head and Neck Surgery

Mayo Clinic, Rochester, Minnesota, 2001 - present

Chronic Rhinosinusitis: Do eosinophils respond to bacterial antigens?

Allergy and Immunology Research Laboratory

Mayo Clinic, Rochester, Minnesota, 2002

Served as scientific research mentor for a high school student on this project.

IRB#1944-03 Heminasal Proboscis with Associated Microphthalmia and Meningoencephalocele

Derek Kofi Boahene, MD, Dana Thompson, MD

Mayo Clinic College of Medicine, Rochester, Minnesota, 2003

IRB# 1097-03 Extraskkeletal Ewing's sarcoma of The Head and Neck

Derek Kofi Boahene, MD, Lance manning, MD, Alain Sabri, MD and Jean Lewis, MD

Mayo Clinic College of Medicine, Rochester, Minnesota, 2003

IRB# 902-03 Endoscopic Repair of CSF Rhinorrhea and Encephalocele: A case for Intrathecal Fluorescein Localization

Derek Kofi Boahene, MD and David Sherris, MD

Mayo Clinic College of Medicine, Rochester, Minnesota, 2003

IRB# 881-01 Cochleovestibular Manifestations and Findings in Susac's Syndrome

Micheal Gluth MD, Derek Boahene MD, Jan Kasperbauer, MD and Thomas McDonald, MD.

IRB# 1738-01 Teratomas of The Head and Neck

Derek Kofi Boahene, MD and Dana Thompson, MD

Mayo Clinic College of Medicine, Rochester, Minnesota, 2001

Erythropoietin Rapidly Induces Activation of Serine and Threonine Kinases in Human K562 Erythroleukemia Cells

Derek Kofi Boahene, BS and Samuel Adunyah, PhD

Department of Biochemistry

Meharry Medical College, Nashville, Tennessee, 1998-1999

Expediting the Diagnosis of Tuberculosis in a Metropolitan Hospital - A Retrospective Study of 100 Patients. Derek Kofi Boahene, BS and Richard Leedy, D.O. US Department of Public Health, Metropolitan Nashville General Hospital, Nashville, Tennessee, 1996

Luminal L-alanine stimulates exocytosis at the potassium conductive apical membrane of *Aplysia californica* enterocyte. Jerald Denton, Derek Kofi Boahene and William Moran, PhD. Department of Biology, University of Central Arkansas, Conway, Arkansas, 1993-1998

Effect of atrial natriuretic factor on apical membrane capacitance in cultured shark rectal gland cells. Derek kofi Boahene and William Moran PhD., Department of Biology, University of Central Arkansas, 1993-1995

PEER REVIEW FOR SCIENTIFIC JOURNALS

Journal of American Medical Association- Archives of Facial Plastic and Reconstructive Surgery. July 2004 to present

Journal of Clinical Anatomy, 2004

American Journal of Physiology, 1995 *Acknowledged reviewer*

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Mayo Clinic Surgical Society

Mayo Clinic Alumni Society

Mayo Fellows Association

American Academy for Facial Plastic and Reconstructive Surgery

American Academy for Otolaryngology/Head and Neck Surgery

American Association for Cancer Researchers

American Medical Association

Minnesota Medical Association

National Medical Association

ACADEMIC HONOR SOCIETIES

Alpha Omega Alpha Medical Honor Society

Alpha Chi National Honor Society

COMMITTEES

Face to face committee, American Association of facial plastic and reconstructive Surgeons

President, Alpha Omega Alpha Medical Honor Society, Nashville Chapter, 1998-1999

Member, Institutional Committee for Accreditation, Liaison Committee on Medical Education, Meharry Medical College, 1997

President, Class of 1999, Meharry Medical College, 1997-1998

COMMUNITY SERVICE

Medical Missions, Children Surgery International, Kumasi, Ghana, 2004, 2005, 2006

Medical missions, Grace church, Lima, Peru, 2005, 2006

Medical Missions, Lions Club International, Oaxaca, Mexico, February, 2003

Christmas Angel Tree Program, Nashville, Tennessee, 1995 to 1998

Community day for under privileged kids, Nashville, Tennessee, 1995 to 1998

Big Brother/ Big Sister mentoring program, Nashville, Tennessee, 1995 to 1998

LANGUAGES

Akan, English, Russian