

Nadarajah Vigneswaran, BDS, DMD, DrMedDent

POSITIONS

Professor & Director of Oral and Maxillofacial Pathology Diagnostic Services
Department of Diagnostic and Biomedical Sciences
UTHealth School of Dentistry at Houston

Adjunct Professor, Department of Pathology
UTHealth McGovern Medical School

EDUCATION AND TRAINING

- BDS (Bachelor of Dental Surgery) from University Peradeniya, Sri Lanka
- DrMedDent (Doctoris Medicinae Dentariae) from Friedrich-Alexander University, Erlangen, Germany
- DMD from University of Alabama School of Dentistry at Birmingham (UAB)
- Postdoctoral training in oral biology, Dental Research Center, Emory University
- Residency in oral and maxillofacial pathology, Emory University School of Medicine
- Fellowship in oral pathology and dental oncology, UAB School of Dentistry and Comprehensive Cancer Center

CERTIFICATIONS

- The American Board of Oral and Maxillofacial Pathology
- Fellowship in American Academy of Oral Pathology
- Western Regional Examining Board (WREB)
- The Board of Dental Examiners of Alabama
- National Board Dental Examinations, Part 1 & II

LICENSURE/BOARDS

- Ceylon Medical Council, Dentistry
- Alabama Dental License
- Texas Dental License
- Georgia Dental License
- American Board of Oral and Maxillofacial Pathology, Diplomate

HONORS AND AWARDS

- Best Original Article of the Year (2015) from the journal *Oral Diseases*, in recognition of a research paper, PMID# 25662766
- Best Paper Award in Oral Maxillofacial Pathology (2015) from the journal *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology*, in recognition of a research paper, PMID# 25747176
- Best Clinical Abstract Award (2015); 27th Annual Fanconi Anemia Research Fund Scientific Symposium,
- Invited contributor to the “World Health Organization Classification of Tumors: *Head and Neck Tumors*, 4th Edition; Ohgaki, H (series editor), IARC Press 2015; <http://bb.iarc.fr/frame.php>

- Nominated for Regents Outstanding Teaching Award, UTHealth School of Dentistry at Houston, 2015
- Invited speaker, The Edward C. Hinds Symposium on Contemporary Oral and Maxillofacial Surgery, Houston, Texas, 2014
- Invited Speaker, 26th Annual Fanconi Anemia Research Fund Scientific Symposium, 2014
- Nominated to the membership in the American Academy of Dental Sciences and the National Institute of Medicine
- Dean's Excellence Award in Research, UTHealth School of Dentistry at Houston, 2013
- Selected as "TOP DENTIST" by *Houstonia* magazine, 2013-2015
- Selected for citation in "Global Medical Discovery" of a research paper, PMID# 22719762
- The Best Dentists in America, 2004 and 2012
- Elected to the Omicron Kappa Upsilon National Dental Honor Society, Mu Mu Chapter, 2007
- Dean's Teaching Excellence Award, UTHealth School of Dentistry at Houston, 2006
- Fleming and Davenport Research Grant Award from Texas Medical Center Advisory Council, Houston, Texas, 2006

PROFESIONAL STATEMENT

Dr. Nadarajah "Viggy" Vigneswaran is an oral and maxillofacial pathologist with more than 20 years of experience in clinical and surgical oral pathology. He practices clinical oral pathology at UT Dentists, the multidisciplinary faculty practice of UTHealth School of Dentistry. His clinical practice involves the diagnosis and management of patients with oral mucocutaneous diseases, burning mouth syndrome, xerostomia, oral cancer and precancer. He directs the Oral and Maxillofacial Pathology Laboratory at UTHealth School of Dentistry. This laboratory receives approximately 5,000 cases per year and is one of the largest biopsy services for the dental profession in this country. He participates in both clinical and laboratory-based research related to oral cancer and its precursors.

Dr. Vigneswaran's clinical research focuses on evaluating non-invasive diagnostic devices for early diagnosis of oral cancer and its precursor lesions. His basic research involves the development of experimental animal models for preclinical testing of molecular-targeted diagnostic imaging and therapy. He has had more than 100 peer-reviewed scientific publications in high-impact journals and four chapters in medical textbooks. He has been an invited presenter for national and international research conference and has received more than \$ 6.2 million in grant funding from federal (NIH), state (CPRIT) and local (UTHealth CTSA Consortium) sources as a principal investigator and/or co-investigator.

CLINICAL INTEREST

- Surgical oral and maxillofacial pathology
- Clinical oral pathology: Diagnosis and management of oral mucocutaneous diseases, burning mouth syndrome, xerostomia, oral cancer and precancer

RESEARCH INTEREST

- Minimally invasive optical and cytology on a chip-based diagnostic devices for early detection of oral cancer
- Screening of oral potentially malignant lesions in patients with Fanconi anemia
- Experimental oral cancer animal models for preclinical testing of molecular-targeted diagnostic imaging and therapy
- Role of tumor-associated proteinases and their inducers and inhibitors in oral cancer progression and maintenance of cancer stem cells niche.

- Development of aptamer-tagged nanoparticles for oral cancer stem cells targeted drug delivery

MEMBERSHIP

American Association for Cancer Research
American Academy of Oral and Maxillofacial Pathology
American Dental Education Association
American Dental Association
Texas Dental Association
Greater Houston Dental Society
AADR-Houston Chapter
Eastern Society of Teachers for Oral Pathology
University of Alabama School of Dentistry Alumni Association
Emory University School of Medicine Alumni Association

PubMed Publications URL:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/nadarajah.vigneswaran.1/bibliography/41153459/public/?sort=date&direction=ascending>