

Dentistry



Listed from left to right. Front: Marcio da Fonseca, Homa Amini, Ashok Kumar. Back: Paul S. Casamassimo, Sarat Thikkurissy, Dennis J. McTigue. Not pictured: Guillermo E. Chacon, Henry W. Fields, Steven I. Ganzberg, Ann L. Griffen, Johnna Jorgensen, Peter E. Larsen, Ana M. Mercado, Cecilia A. Moy, Steve Nguyen, Greg L. Offenburger, David S. Silverglade, Megann K. Smiley, Katherine D. Vig, Robert C. Wenger.

Staff Physicians and Faculty



Paul S. Casamassimo, DDS, MS, Chief
Homa Amini, DDS, MS, MPH, Section Chief

Guillermo E. Chacon, DDS
Marcio da Fonseca, DDS, MS
Henry W. Fields, DDS, MS, MSD
Steven I. Ganzberg, DMD, MS
Ann L. Griffen, DDS, MS
Johnna Jorgensen, DDS
Peter E. Larsen, DDS
Dennis J. McTigue, DDS, MS
Ana M. Mercado, DMD, PhD
Cecilia A. Moy, DDS, MS
Steve Nguyen, DDS
Greg L. Offenburger, DDS
David S. Silverglade, DDS
Megann K. Smiley, DMD, MS
Katherine D. Vig, DDS, PhD
Robert C. Wenger, DDS, MS

Pediatric dentists and other specialists provide comprehensive preventive and therapeutic oral health care for infants and children, including those with special health care needs. The department has approximately 32,000 visits annually, which include about 1,500 general anesthesia cases in the Dental Surgery Center and several thousand walk-in emergency patients. Clinical services include primary oral health care for children and young adults with special health care needs, in the Department of Dentistry at Nationwide Children's Hospital. Within the clinical offerings of the department are general anesthesia

services in the Dental Surgery Center, craniofacial and basic orthodontic services for children, a dental trauma center for orofacial injury, an infant oral health clinic and outreach program, a treatment program for pregnant teenagers and a community-based physician-driven early intervention program.

Several hundred students and continuing learners receive training in the department including dental and dental hygiene students from The Ohio State University (OSU), specialty and general practice residents from the OSU Colleges of Dentistry and Medicine, and nurses, physicians and allied health providers from the community. The department is a site for a National Institutes of Health funded health disparities study and also holds locally funded service demonstration projects addressing oral health in pregnancy and preschool oral health.

Clinical, Teaching and Research Interests

Paul S. Casamassimo, DDS, MS, is Chief of Dentistry at Nationwide Children's Hospital and a Professor of Pediatric Dentistry at The Ohio State University College of Dentistry. He received his dental degree from Georgetown University School of Dentistry and his specialty training in pediatric dentistry at the University of Iowa. His interests are health policy and children with special health care needs.

Homa Amini, DDS, MS, MPH, is Chief of the Section of Pediatric Dentistry at Nationwide Children's Hospital and a Clinical Associate Professor of Pediatric Dentistry at The Ohio State University College of Dentistry. She graduated from The Ohio State University College of Dentistry with a dental degree and a master's in public health. She received her specialty training in pediatric dentistry at the University of Illinois at Chicago. Her interest is dental public health and health policy.

Guillermo E. Chacon, DDS, is a member of the Dentistry Department at Nationwide Children's Hospital and an Associate Professor of Oral and Maxillofacial Surgery and Residency Program Director in Oral and Maxillofacial Surgery at The Ohio State University College of Dentistry. He also is a staff surgeon at Nationwide Children's Hospital and Grant Medical Center. He received his dental degree from the University of Costa Rica, fellowship in oral implantology from the University of Miami School of Medicine/Jackson Memorial Hospital, internship in Oral and Maxillofacial Surgery from The Ohio State University, and specialty training in oral and maxillofacial surgery from the University of Washington Health Science System. He is a diplomate of the American Board of Oral & Maxillofacial

Surgery and his interests are maxillofacial trauma and reconstruction, dental implants and facial esthetic surgery.

Marcio da Fonseca, DDS, MS, is a member of the Dentistry Department at Nationwide Children's Hospital and a Clinical Associate Professor of Pediatric Dentistry at The Ohio State University College of Dentistry. He received his dental degree from the Federal University of Juiz de Fora in 1987, and his specialty training in pediatric dentistry from the University of Minnesota in 1991. He completed a fellowship in oral medicine at the University of Washington and one in advanced pediatric dentistry from Denver Children's Hospital. His interests are in children with medical conditions and the resulting oral-systemic implications. He is also a recognized authority on oral manifestations of child abuse and neglect.

Henry W. Fields, DDS, MS, MSD, is a member of the Dentistry Department at Nationwide Children's Hospital and a Professor of Orthodontics at The Ohio State University College of Dentistry. He received his dental degree and pediatric dentistry training at the University of Iowa and his orthodontic training at the University of Washington in Seattle. His interests include early orthodontic training and health literacy.

Steven I. Ganzberg, DMD, MS, is Chief of the Section of Dental Anesthesiology at Nationwide Children's Hospital and a Clinical Professor of Oral and Maxillofacial Surgery at The Ohio State University College of Dentistry. He received his dental degree from the University of Pennsylvania and his anesthesiology training at The Ohio State University. His interests are anesthetic pharmacology and pain management.

Peter E. Larsen, DDS, is Chief of the Section of Oral and Maxillofacial Surgery at Nationwide Children's Hospital and a Professor of Oral and Maxillofacial Surgery at The Ohio State University College of Dentistry. He received his dental degree from Creighton University and his specialty training in oral and maxillofacial surgery from the University of Oklahoma. His interests are craniofacial abnormalities, surgical orthodontics and cleft lip and palate.

Dennis J. McTigue, DDS, MS, is a member of the Dentistry Department at Nationwide Children's Hospital and a Professor and former chair of Pediatric Dentistry at The Ohio State University College of Dentistry. He received his dental degree and his specialty training in pediatric dentistry at the University of Iowa. His interests are dentoalveolar trauma and child behavior in the dental setting.

Ana M. Mercado, DMD, PhD, is Co-Director of the Orthodontic Craniofacial Program, team orthodontist in the Nationwide Children's Hospital Cleft Palate-Craniofacial Clinic and a Clinical Assistant Professor of Orthodontics at The Ohio State University College of Dentistry. She received her dental degree from the University of Puerto Rico. Her general practice residency and dentistry master's degree are from The Ohio State University. She completed the dentist scientist program from the National Institutes of Health, which awarded her a specialty degree in orthodontics and a PhD at The Ohio State University. Her research interests include the incidence of dental anomalies in patients with cleft lip and palate and secondary alveolar bone grafting.

Steve Nguyen, DDS, is a Dental Anesthesiologist in the Department of Dentistry at Nationwide Children's Hospital and a Clinical Assistant Professor of Pediatric Dentistry at the Ohio State University College of Dentistry. He received his anesthesiology training from MetroHealth in Cleveland, Ohio, and is a member of the U.S. Army Reserve.

Megann K. Smiley, DMD, MS, is a Dental Anesthesiologist in the Department of Dentistry at Nationwide Children's Hospital and a Clinical Assistant Professor of Pediatric Dentistry at The Ohio State University College of Dentistry. She received her dental degree from Harvard University. After serving in the United States Navy, she trained in dental anesthesia at The Ohio State University. Her interests include pediatric anesthesia and resident education.

Research Funding (Over \$50,000)

Paul S. Casamassimo, DDS, MS
Northeast Center for Research to Reduce Oral Health Disparities, Boston University/
National Institutes of Health

Publications

Amini H, Lin H, Casamassimo PS, Hayes J. Readability of the American Academy of Pediatric Dentistry Patient Education Materials. *Pediatric Dentistry* 29: 431-5, 2007.

Amini H, Walker PO. Endocrinology. In: *The Handbook of Pediatric Dentistry*. The American Academy of Pediatric Dentistry, 2007.

Amini H. Pregnancy. In: *The Handbook of Pediatric Dentistry*. The American Academy of Pediatric Dentistry, 2007.

Amini H, Price J, Casamassimo PS, Hayes NB. Oral Health Status of Immigrants in Ohio. *Journal of Dental Research* 86(B), 2007.

Amini H, Price J, Casamassimo PS, Noel B, Hayes J. Access to Dental Care for the Immigrants in Central Ohio. *Public Health Dentistry*, 67(5), 2007.

Bean CY, Rowland M, Soller H, Casamassimo PS, Van Sickle R, Levings K, Agunga. Comparing fourth-year dental student productivity and experiences in a dental school with community-based clinical education. *Journal of Dental Education* 71(8): 1020-26, 2007.

Casamassimo PS. Floundering in Fluoride Fog [editorial]. *Pediatric Dentistry* 29(1): 5, 2007.

Casamassimo PS. Re-gifting Ourselves [editorial]. *Pediatric Dentistry* 29(2): 97, 2007.

Casamassimo PS. Expect the Best for Your Child's Dental Home. *Exceptional Parent* 37(9): 50-52, September 2007.

Chacon GE, Ugalde CM, Jaber MF. Genetic Disorders of Bone Affecting the Craniofacial Skeleton. *Oral and Maxillofacial Surgery Clinics of North America* 19(4): 467-474, November 2007.

da Fonseca MA, Murdoch-Kinch CA. Severe gingival retraction and early loss of teeth in chronic graft vs host disease. *Special Care in Dentistry* 27: 59-63, 2007.

da Fonseca MA, Oueis HS, Casamassimo PS. Sickle cell anemia – a review for the pediatric dentist. *Pediatric Dentistry* 29: 159-69, 2007.

da Fonseca MA, Pollock M, Majewski R, Tootla R, Murdoch-Kinch CA. Factors influencing candidates' choice of a pediatric dental residency program. *Journal of Dental Education* 71: 1194-1202, 2007.

da Fonseca MA, Hoge C. Extraction of "killer teeth" – the case of two Somali siblings. *Journal of Dentistry for Children* 74: 143-6, 2007.

da Fonseca MA. Childhood Cancer. In: *The Handbook of Pediatric Dentistry, Third Edition*, (Casamassimo PS, AJ Nowak, eds.) American Academy of Pediatric Dentistry, 204-209, 2007.

da Fonseca MA, Kumar A. Nephrology. In: *The Handbook of Pediatric Dentistry, Third Edition*, (Casamassimo PS, AJ Nowak, eds.) American Academy of Pediatric Dentistry, 251-8, 2007.

da Fonseca M, Oueis, H., Casamassimo PS. Sickle Cell Anemia – A Review for the Pediatric Dentist. *Pediatric Dentistry* 29(2): 159-169, 2007.

Fields HW, Rowland ML, Vig KWL, Huja SS. Objective Structured Clinical Examination (OSCE) use in advanced orthodontic dental education. *American Journal of Orthodontics* 131: 656-63, 2007.

Fields HW, Rowland M, Vig KWL, Huja S. Longitudinal Postgraduate OSCE to Support Accreditation Outcomes in Orthodontics. *Journal of Dental Education* 82, 2007.

Grubaugh E, Fields HW, Beck FM, Huja S. Comparison of Hand Traced and Computer Based Cephalometric Superimpositions. *Journal of Dental Research* 86(A): 3000, 2007.

Kang EY, Fulks D, Fields HW, Beck FM, Kiyak HA, Pope A. Pilot Study: Developing a tool to measure orthodontic informed consent. *Journal of Dental Research* 86(A): 1675, 2007.

Kang EY, Pope A, Fields HW, Beck FM, Kiyak HA, Firestone A, Fulks D. Pilot Study: Validating an orthodontic informed consent measurement tool. *Journal of Dental Research* 86(A): 1674, 2007

Mallery SR, Stoner GD, Larsen PE, Fields HW, Rodrigo KA, Schwartz SR, Tian Q, Dai J, Mumper RJ. Formulation and In-Vitro and In-Vivo Evaluation of a Mucoadhesive Gel Containing Freeze Dried Black Raspberries: Implications for Oral Cancer Chemoprevention. *Pharmaceutical Research* 24: 728-737, 2007.

McLean JK, Champagne C, Waggoner WF, Ditmyer M, Casamassimo PS. Clinical Outcomes for Primary Anterior Teeth Treated with Pre-veneered Stainless Steel Crowns. *Pediatric Dentistry* 29(5): 377-382, 2007.

McTigue D. Dental education and special-needs patients: challenges and opportunities. *Pediatric Dentistry* 29(2): 129-133, March/April 2007.

McTigue D, Fenton S. Educational issues workshop report. *Pediatric Dentistry* 29(2): 146-147, March/April 2007.

McTigue DJ, Thikkurissy S. Dental Trauma. In: *The Handbook of Pediatric Dentistry, Third Edition*, (Casamassimo PS, AJ Nowak, eds.) American Academy of Pediatric Dentistry, 95-103, 2007.

Meng FH, Schricker SR, Brantley WA, Mendel DA, Rashid RG, Fields HW, Vig KWL, Alapati SB. Differential scanning calorimetry (DSC) and temperature-modulated DSC study of three mouthguard materials. *Dental Materials* 23: 1492-99, 2007.

Nowak AJ, Casamassimo PS. *Handbook of Pediatric Dentistry, Third edition.* American Academy of Pediatric Dentistry, 2007.

Parekh S, Fields HW, Beck FM, Rosenstiel S. Acceptability of Variations in the Smile Arc and Buccal Corridor Space. *Orthodontic and Craniofacial Research* 10: 15-21, 2007.

Proffit WR, Fields HW, Sarver D. *Contemporary Orthodontics, Fourth edition* The C.V. Mosby Co., St. Louis, 2007.

Presentations and Teaching Activities

Homa Amini, DDS, MS, MPH

Oral Health Status of Immigrants in Ohio, 85th General Session & Exhibition of the International, American and Canadian Associations for Dental, New Orleans, Louisiana, March 24, 2007

Access to Dental Care for the Immigrants in Central Ohio, National Oral Health Conference, 8th Joint Meeting of the Association of State and Territorial Dental Directors and the American Association of Public Health Dentistry, Denver, Colorado, May 1, 2007

Access to Dental Care during Pregnancy: An Innovative Approach, American Public Health Association 135th Annual Meeting and Expo, Washington, D.C., November 5, 2007

Guillermo E. Chacon, DDS

Evaluation of the Indirect Sinus Elevation Technique Using a Sinus Endoscope on Fresh Cadavers, 22nd Annual Meeting of the Academy of Osseointegration, San Antonio, Texas, March 9, 2007

Immediate Load in Implant Dentistry-Lectures and Live Surgery Demonstrations, 6th Annual Implant Review Course, Latin American University of Science and Technology, San Jose, Costa Rica, September 7-8, 2007

Anesthetic Management of the Obese Patient, 89th Annual Meeting of the American Association of Oral and Maxillofacial Surgeons, Honolulu, Hawaii, October 8, 2007

Evaluation of the Indirect Sinus Elevation Technique Using a Sinus Endoscope on Fresh Cadavers, 20th Annual Meeting of the European Association for Osseointegration, Barcelona, Spain, October 26, 2007

Principles of Advanced Pre-prosthetic and Implant Surgery, 40th Annual Refresher Course in Oral and Maxillofacial Surgery, University of Colorado School of Dentistry, Denver, Colorado, November 12, 2007

The Partially Dentate Patient: When to Graft and When to Use Short Implants, Annual American Association of Oral and Maxillofacial Surgeons Implant Conference, Chicago, Illinois, November 30, 2007

Henry W. Fields, DDS, MS, MSD

Assessment of Tolerability and Plaque Accumulation from Addition of Crest® Pro Health™ to the Hygiene Regimen of Adolescents, Co-Presenter, American Association of Orthodontists, Seattle, Washington, 2007

Pilot Study: Understanding Orthodontic Informed Consent, Co-Presenter, American Association of Orthodontists, Seattle, Washington, 2007

Steven I. Ganzberg, DMD, MS

Accreditation of Dental Anesthesiology Residencies and GME Implications, American Society of Dentist Anesthesiologists Annual Scientific Session, Orlando, Florida, March 2007

Anesthetic Management of the Obese Patient, American Association of Oral & Maxillofacial Surgeons Annual Scientific Session, Honolulu, Hawaii, October 2007

Dennis J. McTigue, DDS, MS

New Challenges in Dental Traumatology, American Academy of Pediatric Dentistry Annual Session, San Antonio, Texas, May 27, 2007

Review of AAPD Behavior Guidance Guidelines, Ohio Department of Health, Bureau of Oral Health Services, Columbus, Ohio, December 4, 2007

Fast Facts

Inpatient Discharges: 10

Observation Discharges: 23

Total Discharges: 33

Average Length of Stay*: 2.2

Average Daily Census*: 0.1

Patient Days: 22

Outpatient Visits: 29,109

Outpatient Surgeries: 2,080

*Excludes observation patients