DEPARTMENT OF PERIODONTICS

The Department of Periodontics at the College of Dentistry provides instruction in the prevention, diagnosis, and treatment of diseases of the supporting and surrounding tissues of the teeth to first professional DDS, dental hygiene, and graduate students.

Departmental faculty assigned to first professional teaching provide students with the knowledge and clinical skills to diagnose and treat patients with periodontal disease. This is accomplished through didactic and pre-clinical instruction, followed by clinical treatment of a diverse patient population with gingivitis and chronic periodontitis.

Advanced Training

The Advanced Training Program in Periodontics was started in 1955 and accounts for many specialty leaders among alumni. Graduate students who successfully complete the three-year curriculum and defend MS research, are awarded a Certificate in Periodontics and an MS in Oral Biology.

Department Centers

The Department of Periodontics is unique. In addition to providing undergraduate and graduate training in Periodontics, the department includes the Stomatology Center (a Salivary Dysfunction Clinic and Laboratory). The Center provides a world-class opportunity for the study and management of a diverse group of stomatological disorders, facilitating a holistic approach and better understanding of oral-systemic interactions. This has proven to be a fertile environment for clinical research and has attracted visiting clinicians pursuing knowledge and experience in these areas.

Department Affiliations

The department is affiliated with Baylor University Medical Center and includes a rotation for Dermatology residents at the Stomatology Center. Departmental faculty engage in funded research programs, primarily in areas of salivary dysfunction, stomatology, periodontics, and dental implants.

Faculty

Abraham, Celeste M, Clinical Associate Professor Periodontics
MS, University of Michigan, 1991
DDS, Howard University, 1988

Barnes, James B, Adjunct Associate Professor Periodontics
CERT, Baylor College of Dentistry, 1972
DDS, Baylor College of Dentistry, 1970

Bookatz, Barnett N, Adjunct Associate Professor Periodontics
MS, Baylor College of Dentistry, 1976
DDS, Baylor College of Dentistry, 1974

Cho, Jun Y, Clinical Associate Professor Periodontics
MS, Baylor University College of Dentistry, 1970
DDS, Seoul National University, Korea, 1961

Crump, Thomas B, Adjunct Associate Professor Periodontics
MS, University of Nebraska Medical Center, 2000
DDS, Texas A&M University Baylor College of Dentistry, 1997

Diefkisch, Thomas G, Professor Periodontics
DMD, Philipps-University of Marburg, West Germany, 1986

Ezzo, Paul J, Adjunct Assistant Professor Periodontics
PHD, Baylor College of Dentistry, 2000
DDS, Baylor College of Dentistry, 1983

Gopinath, Gokul, Research Assistant Professor Periodontics
PHD, Manipal University, India, 2010

Griffiths, Garth R, Clinical Assistant Professor Periodontics
MS, The University of Texas Health Science Center at San Antonio, 1993
DDS, The University of Texas Health Science Center at San Antonio, 1992

Harrel, Stephen K, Adjunct Professor Periodontics
CERT, University of Oregon Dental School, 1974
DDS, Baylor University College of Dentistry, 1972

Hegde, Rashmi, Adjunct Assistant Professor Periodontics
MS, University of Alabama - Birmingham, 2005
DDS, Bangalore University, India, 1999

Parra Carrasquer, Carlos, Clinical Assistant Professor Periodontics
CERT, Tufts University School of Dental Medicine, 2015
DDS, Universitat Internacional de Catalunya, 2009

Plemons, Jacqueline M, Clinical Professor Periodontics
CERT, Baylor University, 1988
DDS, Baylor University College of Dentistry, 1986

Pylant, George D, Adjunct Assistant Professor Periodontics
CERT, The University of Texas Health Science Center at San Antonio, 1990
DDS, Baylor College of Dentistry, 1988

Rees, Terry D, Professor Periodontics
MS, Baylor College of Dentistry, 1968
DDS, University of Tennessee Medical Units-Memphis, 1957

Regan, Deborah M, Clinical Assistant Professor Periodontics
MS, Texas A&M University, 2005
DDS, University of Dublin Trinity College, 1982
PERI 606 Advanced Clinical Periodontics IV
Credits 0. 0 Other Hours.
A continuation of PER 5005. More student autonomy and decision-making is required, assuring proficiency. Demonstration of surgical techniques to first- and second-year students is encouraged. Emphasis is placed on advanced implant and esthetic cases. Includes surgical cases at the Dallas VA Medical Center, Children’s Medical Center of Dallas and Texas Scottish Rite Hospital for Children. Must be taken on a satisfactory/unsatisfactory basis.

PERI 607 Advanced Clinical Periodontics V
Credits 0. 0 Other Hours.
A continuation of PER 5005. More student autonomy and decision-making is required, assuring proficiency. Demonstration of surgical techniques to first- and second-year students is encouraged. Emphasis is placed on advanced implant and esthetic cases. Includes surgical cases at the Dallas VA Medical Center, Children’s Medical Center of Dallas and Texas Scottish Rite Hospital for Children. Must be taken on a satisfactory/unsatisfactory basis.

PERI 608 Advanced Clinical Periodontics VI
Credits 0. 0 Other Hours.
A continuation of PER 5005. More student autonomy and decision-making is required, assuring proficiency. Demonstration of surgical techniques to first- and second-year students is encouraged. Emphasis is placed on advanced implant and esthetic cases. Includes surgical cases at the Dallas VA Medical Center, Children’s Medical Center of Dallas and Texas Scottish Rite Hospital for Children. Must be taken on a satisfactory/unsatisfactory basis.

PERI 609 Clinical Stomatology I
Credits 0-1. 0-1 Other Hours.
Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions and laboratory studies is stressed through close interaction with the medical community.

PERI 610 Clinical Stomatology II
Credits 0-1. 0-1 Other Hours.
Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions and laboratory studies is stressed through close interaction with the medical community.

PERI 611 Clinical Stomatology III
Credits 0-1. 0-1 Other Hours.
Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions and laboratory studies is stressed through close interaction with the medical community.

PERI 612 Clinical Stomatology IV
Credits 0-1. 0-1 Other Hours.
Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions and laboratory studies is stressed through close interaction with the medical community.

PERI 613 Clinical Stomatology V
Credits 0-1. 0-1 Other Hours.
Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions and laboratory studies is stressed through close interaction with the medical community.
PERI 614 Clinical Stomatology VI
Credits 0-1. 0-1 Other Hours.
Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions and laboratory studies is stressed through close interaction with the medical community.

PERI 615 Advanced Clinical Stomatology I
Credits 0-1. 0-1 Other Hours.
Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions and laboratory studies is stressed through close interaction with the medical community. Students provide guidance in management of oral mucocutaneous diseases to selected predoctoral students and first-year graduate students.

PERI 616 Advanced Clinical Stomatology II
Credits 0-1. 0-1 Other Hours.
Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions and laboratory studies is stressed through close interaction with the medical community. Students provide guidance in management of oral mucocutaneous diseases to selected predoctoral students and first-year graduate students.

PERI 617 Advanced Clinical Stomatology III
Credits 0-1. 0-1 Other Hours.
Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions and laboratory studies is stressed through close interaction with the medical community. Students provide guidance in management of oral mucocutaneous diseases to selected predoctoral students and first-year graduate students.

PERI 618 Dermatology
Credits 0. 0 Other Hours.
A review of basic dermatological terminology, common cutaneous diseases and their treatment. Presented every third year. Must be taken on a satisfactory/unsatisfactory basis.

PERI 619 Journal Club I
Credits 0. 0 Lecture Hours.
Course reviews current periodontal literature and encompasses analytical review interpretation and abstraction of articles. Discussions and review also allow translation of contemporary periodontal principles to clinical patient care. Must be taken on a satisfactory/unsatisfactory basis.

PERI 620 Journal Club II
Credits 0. 0 Lecture Hours.
Course reviews current periodontal literature and encompasses analytical review interpretation and abstraction of articles. Discussions and review also allow translation of contemporary periodontal principles to clinical patient care. Must be taken on a satisfactory/unsatisfactory basis.

PERI 621 Journal Club III
Credits 0. 0 Lecture Hours.
Course reviews current periodontal literature and encompasses analytical review interpretation and abstraction of articles. Discussions and review also allow translation of contemporary periodontal principles to clinical patient care. Must be taken on a satisfactory/unsatisfactory basis.

PERI 622 Journal Club IV
Credits 0. 0 Lecture Hours.
Course reviews current periodontal literature and encompasses analytical review interpretation and abstraction of articles. Discussions and review also allow translation of contemporary periodontal principles to clinical patient care. Must be taken on a satisfactory/unsatisfactory basis.

PERI 623 Journal Club V
Credits 0. 0 Lecture Hours.
Course reviews current periodontal literature and encompasses analytical review interpretation and abstraction of articles. Discussions and review also allow translation of contemporary periodontal principles to clinical patient care. Must be taken on a satisfactory/unsatisfactory basis.

PERI 624 Journal Club VI
Credits 0. 0 Lecture Hours.
Course reviews current periodontal literature and encompasses analytical review interpretation and abstraction of articles. Discussions and review also allow translation of contemporary periodontal principles to clinical patient care. Must be taken on a satisfactory/unsatisfactory basis.

PERI 625 Orthodontics/Periodontics Seminar
Credits 0. 0 Other Hours.
Diagnosis and treatment of basic orthodontic problems; force vectors; mechanical applications with various orthodontics systems: clinical management of combined periodontic/orthodontic cases and esthetic correction of mucogingival cases. Joint treatment of actual cases.

PERI 626 Related Disciplines Seminar
Credits 0. 0 Other Hours.
Seminar for first-, second- and third-year residents that includes comprehensive interdisciplinary case planning, management and presentations, and affords opportunity for interactions with graduate faculty/residents in periodontics, prosthodontics and endodontics.

PERI 627 Mock Board Examination I
Credits 0.5. 0.5 Lecture Hours.
Preparations for certification by the American Board of Periodontology. Includes case write-up, presentation and comprehensive oral examination.

PERI 628 Mock Board Examination II
Credits 0.5. 0.5 Lecture Hours.
Preparations for certification by the American Board of Periodontology. Includes case write-up, presentation and defense, and comprehensive oral examination.

PERI 629 Advanced Dental Implants
Credit 1.5. 0.8 Lecture Hours. 0.8 Other Hours.
A lecture and clinical course covering advanced implant techniques. The radiographic examination, diagnosis, treatment planning and management of patients with jaw deformities, inadequate remaining bone, ridge augmentation requirements, including sinus lift procedures and complications, are reviewed.

PERI 630 Periodontal Plastic Surgery
Credits 0.5. 0.3 Lecture Hours. 0.3 Other Hours.
Lectures and seminars covering the diagnosis and treatment of esthetic and functional gingival deformities. Recognizing normal and abnormal appearance and gingival discrepancies is stressed. Current techniques of grafting, shaping and sculpting tissues are taught. The techniques discussed are performed during clinical periodontics.
PERI 631 Case Presentation/Treatment Planning I
Credits 0.5-1. 0.5-1 Other Hours.
5-1. Emphasizes diagnosis, analysis and treatment planning/approaches for cases presenting with moderate to advanced periodontitis, soft/hard tissue deficiencies and/or dental implant needs. First-year residents receive instruction and experience in preparing case presentations, and first-, second- and third-year residents present cases, participate in discussions and interact with faculty.

PERI 632 Case Presentation/Treatment Planning II
Credits 0.5-1. 0.5-1 Other Hours.
5 to 1. Emphasizes diagnosis, analysis and treatment planning/approaches for cases presenting with moderate to advanced periodontitis, soft/hard tissue deficiencies and/or dental implant needs. First-year residents receive instruction and experience in preparing case presentations, and first-, second- and third-year residents present cases, participate in discussions and interact with faculty.

PERI 633 Case Presentation/Treatment Planning III
Credits 0.5-1. 0.5-1 Other Hours.
5 to 1. Emphasizes diagnosis, analysis and treatment planning/approaches for cases presenting with moderate to advanced periodontitis, soft/hard tissue deficiencies and/or dental implant needs. First-year residents receive instruction and experience in preparing case presentations, and first-, second- and third-year residents present cases, participate in discussions and interact with faculty.

PERI 634 Case Presentation/Treatment Planning IV
Credits 0.5-1. 0.5-1 Other Hours.
5 to 1. Emphasizes diagnosis, analysis and treatment planning/approaches for cases presenting with moderate to advanced periodontitis, soft/hard tissue deficiencies and/or dental implant needs. First-year residents receive instruction and experience in preparing case presentations, and first-, second- and third-year residents present cases, participate in discussions and interact with faculty.

PERI 635 Case Presentation/Treatment Planning V
Credits 0.5-1. 0.5-1 Other Hours.
5 to 1. Emphasizes diagnosis, analysis and treatment planning/approaches for cases presenting with moderate to advanced periodontitis, soft/hard tissue deficiencies and/or dental implant needs. First-year residents receive instruction and experience in preparing case presentations, and first-, second- and third-year residents present cases, participate in discussions and interact with faculty.

PERI 636 Case Presentation/Treatment Planning VI
Credits 0.5-1. 0.5-1 Other Hours.
5 to 1. Emphasizes diagnosis, analysis and treatment planning/approaches for cases presenting with moderate to advanced periodontitis, soft/hard tissue deficiencies and/or dental implant needs. First-year residents receive instruction and experience in preparing case presentations, and first-, second- and third-year residents present cases, participate in discussions and interact with faculty.

PERI 637 Occlusion: Principals/Therapy I
Credits 0 to 1.5. 0 to 1.5 Other Hours.
5. Review of literature concerning occlusion and its relationship to periodontal disease. Clinical evaluation, diagnosis of occlusal trauma and treatment of patients with occlusal disharmonies via occlusal adjustment are discussed. Includes a review of occlusal concepts related to periodontics, anatomy and function of the masticatory system, temporomandibular joint dysfunction, and adjustment of the natural dentition.

PERI 638 Occlusion: Principals/Therapy II
Credits 0 to 1.5. 0 to 1.5 Other Hours.
5. Review of literature concerning occlusion and its relationship to periodontal disease. Clinical evaluation, diagnosis of occlusal trauma and treatment of patients with occlusal disharmonies via occlusal adjustment are discussed. Includes a review of occlusal concepts related to periodontics, anatomy and function of the masticatory system, temporomandibular joint dysfunction, and adjustment of the natural dentition.
PERI 644 Practice Teaching I  
Credits 1 to 2. 1 to 2 Other Hours.  
Second year residents give clinical instruction involving contact with second-, third- and fourth-year dental students. Four hours per week per semester of clinical instruction, including diagnosis, treatment and maintenance of periodontal patients. One half-day/session/week for 2nd year residents (afternoon). Students register for two semesters for a total of 8 semester hours.

PERI 645 Practice Teaching II  
Credits 1 to 2. 1 to 2 Other Hours.  
Second year residents give clinical instruction involving contact with second-, third- and fourth-year dental students. Four hours per week per semester of clinical instruction, including diagnosis, treatment and maintenance of periodontal patients. One half-day/session/week for 2nd year residents (afternoon). Students register for two semesters for a total of 8 semester hours.

PERI 646 Practice Teaching III  
Credits 1 to 2. 1 to 2 Other Hours.  
Second year residents give clinical instruction involving contact with second-, third- and fourth-year dental students. Four hours per week per semester of clinical instruction, including diagnosis, treatment and maintenance of periodontal patients. One half-day/session/week for 2nd year residents (afternoon). Students register for two semesters for a total of 8 semester hours.

PERI 647 Practice Teaching IV  
Credits 2. 2 Other Hours.  
Third year residents give lectures and clinical instruction involving contact with second, third, and fourth year dental students. Six hours per week per semester of clinical instruction, including diagnosis, treatment and maintenance of periodontal patients. Two half-day sessions/week for 3rd year residents (one morning and one afternoon). Students register for two semesters for a total of 8 semester hours.

PERI 648 Practice Teaching V  
Credits 2. 2 Other Hours.  
Third year residents give lectures and clinical instruction involving contact with second, third, and fourth year dental students. Six hours per week per semester of clinical instruction, including diagnosis, treatment and maintenance of periodontal patients. Two half-day sessions/week for 3rd year residents (one morning and one afternoon). Students register for two semesters for a total of 8 semester hours.

PERI 649 Practice Teaching VI  
Credits 2. 2 Other Hours.  
Third year residents give lectures and clinical instruction involving contact with second, third, and fourth year dental students. Six hours per week per semester of clinical instruction, including diagnosis, treatment and maintenance of periodontal patients. Two half-day sessions/week for 3rd year residents (one morning and one afternoon). Students register for two semesters for a total of 8 semester hours.

PERI 650 Dental Implants  
Credits 1.50 to 2. 1.50 to 2 Other Hours.  
5-2. Historical review of dental implants, including biological principles, techniques and systems; diagnosis, interdisciplinary considerations, treatment planning, and indications and contraindications for implants; wound healing for implants, including osseointegration, surgical techniques and implant maintenance.

PERI 651 Periodontal Literature Review I  
Credits 1 to 2. 1 to 2 Lecture Hours.  
Review of periodontics literature from early classic articles to current publications; development of basis for various periodontal concepts; anatomy, epidemiology, etiology, diagnosis, pathogenesis and therapy of periodontal diseases. Students register for two semesters for a total of 4 semester hours.

PERI 652 Periodontal Literature Review II  
Credits 1 to 2. 1 to 2 Lecture Hours.  
Review of periodontics literature from early classic articles to current publications; development of basis for various periodontal concepts; anatomy, epidemiology, etiology, diagnosis, pathogenesis and therapy of periodontal diseases. Students register for two semesters for a total of 4 semester hours.

PERI 653 Periodontal Literature Review III  
Credits 1 to 2. 1 to 2 Lecture Hours.  
Review of periodontics literature from early classic articles to current publications; development of basis for various periodontal concepts; anatomy, epidemiology, etiology, diagnosis, pathogenesis and therapy of periodontal diseases. Students register for two semesters for a total of 4 semester hours.

PERI 654 Periodontal Literature Review IV  
Credits 1 to 2. 1 to 2 Other Hours.  
Students register for two semesters for a total of 4 semester hours.

PERI 655 Periodontal Literature Review V  
Credits 1 to 2. 1 to 2 Other Hours.  
Students register for two semesters for a total of 4 semester hours.

PERI 656 Periodontal Literature Review VI  
Credits 1 to 2. 1 to 2 Other Hours.  
Students register for two semesters for a total of 4 semester hours.

PERI 657 Periodontal Literature Review VII  
Credits 1 to 2. 1 to 2 Other Hours.  
A seminar series during the third year of residency. Students learn to select and then research various contemporary topics and lead group discussions. Use of computer search technology and interlibrary facilities is taught and utilized. Self-reliance and individual effort is emphasized instead of school-provided reading lists as in PER 5224 and PER 5227. Students register for two semesters for a total of 4 semester hours.

PERI 658 Periodontal Literature Review VIII  
Credits 1 to 2. 1 to 2 Other Hours.  
A seminar series during the third year of residency. Students learn to select and then research various contemporary topics and lead group discussions. Use of computer search technology and interlibrary facilities is taught and utilized. Self-reliance and individual effort is emphasized instead of school-provided reading lists as in PER 5224 and PER 5227. Students register for two semesters for a total of 4 semester hours.

PERI 659 Periodontal Literature Review IX  
Credits 1 to 2. 1 to 2 Other Hours.  
A seminar series during the third year of residency. Students learn to select and then research various contemporary topics and lead group discussions. Use of computer search technology and interlibrary facilities is taught and utilized. Self-reliance and individual effort is emphasized instead of school-provided reading lists as in PER 5224 and PER 5227. Students register for two semesters for a total of 4 semester hours.
PERI 660 Clinical Anesthesiology for the Periodontist  
Credits 3. 3 Other Hours.  
A one-month anesthesiology rotation supervised by personnel in the Department of Anesthesiology at Baylor University Medical Center; operating room procedures; use of anesthetics; instruction in resuscitative procedures.

PERI 661 Moderate Parenteral Conscious Sedation I  
Credits 0.5. 0.5 Other Hours.  
The course focuses on clinical management of patients needing conscious sedation. Lectures include information on deep sedation and general anesthesia so residents will be familiar with these levels should a patient get to one of these planes of anesthesia. The course is ongoing each fall and spring semester of a resident’s three year academic degree plan.

PERI 662 Moderate Parenteral Conscious Sedation II  
Credits 0.5. 0.5 Other Hours.  
The course focuses on clinical management of patients needing conscious sedation. Lectures include information on deep sedation and general anesthesia so residents will be familiar with these levels should a patient get to one of these planes of anesthesia. The course is ongoing each fall and spring semester of a resident’s three year academic degree plan.

PERI 663 Moderate Parenteral Conscious Sedation III  
Credits 0.5. 0.5 Other Hours.  
The course focuses on clinical management of patients needing conscious sedation. Lectures include information on deep sedation and general anesthesia so residents will be familiar with these levels should a patient get to one of these planes of anesthesia. The course is ongoing each fall and spring semester of a resident’s three year academic degree plan.

PERI 664 Moderate Parenteral Conscious Sedation IV  
Credits 0.5. 0.5 Other Hours.  
The course focuses on clinical management of patients needing conscious sedation. Lectures include information on deep sedation and general anesthesia so residents will be familiar with these levels should a patient get to one of these planes of anesthesia. The course is ongoing each fall and spring semester of a resident’s three year academic degree plan.

PERI 665 Moderate Parenteral Conscious Sedation V  
Credits 0.5. 0.5 Other Hours.  
The course focuses on clinical management of patients needing conscious sedation. Lectures include information on deep sedation and general anesthesia so residents will be familiar with these levels should a patient get to one of these planes of anesthesia. The course is ongoing each fall and spring semester of a resident’s three year academic degree plan.

PERI 666 Moderate Parenteral Conscious Sedation VI  
Credits 0.5. 0.5 Other Hours.  
The course focuses on clinical management of patients needing conscious sedation. Lectures include information on deep sedation and general anesthesia so residents will be familiar with these levels should a patient get to one of these planes of anesthesia. The course is ongoing each fall and spring semester of a resident’s three year academic degree plan.

PERI 667 Periodontal Histopathology  
Credits 2. 1 Lab Hour. 1 Other Hour.  
Histopathologic study of the etiology and pathogenesis of periodontal diseases; seminars and laboratory exercises with block sections of human periodontium.

PERI 689 Special Topics In...  
Credits 0 to 4. 0 to 4 Other Hours.  
Selected topics in an identified area of periodontics. May be repeated for credit.

PERI 691 Research  
Credits 0 to 10. 0 to 10 Other Hours.  
Research for thesis or dissertation.