The Department of Endodontics at Texas A&M University Baylor College of Dentistry provides education to develop competent diagnosticians and clinicians in the field of dentistry that focuses on the diagnosis, treatment and prevention of diseases involving the dental pulp and the tissues at the root apex.

The endodontic faculty teach a full scope of clinical and didactic endodontic courses to second-, third- and fourth-year dental students. For graduate students, the department offers a 27-month certificate program, a M.S. in Oral Biology, a 60-month Ph.D. plus certificate program and a 12-month international fellowship program.

The residents in the graduate program in endodontics treat complex cases beyond the scope of undergraduate expertise, with cases being referred from within the college as well as from regional dentists. The residents also provide treatment to medically compromised patients onsite and in hospital settings.

The department has generated numerous research publications during the past decade in the field of endodontic surgery and materials.

Endodontic faculty and residents are involved in multiple research projects that involve the roles of cyclooxygenase-2 in periradicular inflammatory bone resorption, the mechanisms of pulpal repair response and the search of key genes involved in the regeneration of the pulp-dentin complex.

Faculty
Glickman, Gerald, Professor
Endodontics
DDS, Ohio State University, 2014
He, Jianing, Adjunct Associate Professor
Endodontics
DMD, West China University, 1997
Schweitzer, Jordan, Associate Professor
Endodontics
DDS, Baylor College of Dentistry, 1986

Certificates
- Endodontics Certificate

Courses
ENDO 5111 Current Literature Review
Credit 1. 1 Lecture Hour.
Detailed review of recently published literature on all subjects related to endodontics; critical evaluation of the scientific literature; student assignment of recent issues of 28 selected dental journals for critical review of pertinent articles for scientific merit and clinical relevance. Students register for a total of 9 credit hours.

ENDO 5121 Endodontics Treatment Planning Conference
Credit 1. 1 Lecture Hour.
Diagnosis and treatment planning for complicated endodontic cases requiring advanced skills; case presentation by students and graduate faculty in a prescribed format; formulation and defense of diagnosis and treatment plan with biologic rationale based on documented scientific or clinical evidence. Students register for a total of 9 credit hours.

ENDO 5141 Special Problems in Endodontics
Credit 1. 1 Lecture Hour.
In-depth exploration of subjects of individual's interest under graduate faculty supervision; concentrated and detailed search for information and analysis of published data as a basis for special reports, protocol development, research orientation and formulation. Students may register for a total of 6 semester hours.

ENDO 5142 Advanced Special Problems in Endodontics
Credit 1. 1 Lecture Hour.
Advanced topics of individual scientific or clinical interest. Students may register for a total of 5 semester hours.

ENDO 5213 Implant Concepts and Treatment
Credits 2. 2 Other Hours.
In-depth knowledge of the theories, concepts and treatment modalities implant prosthodontics. Emphasis is placed integrating basic concepts with rationale for treatment.

ENDO 5222 Clinical Endodontics
Credits 2. 2 Lab Hours.
Diagnosis, management and treatment of patients requiring endodontic therapy by beginning graduate students under faculty supervision; case selection and patient load determined by student aptitude and clinical competence; students register for a total of three semesters.

ENDO 5233 Advanced Clinical Endodontics
Credits 2. 2 Lab Hours.
Diagnosis and management of patients with complex treatment problems; includes medically compromised patients, retreatments, surgeries and difficult interdisciplinary cases.

ENDO 5V98 Research for the Master's Thesis
Credits 1 to 5. 1 to 5 Other Hours.
Original research on a meaningful problem related to endodontics as partial fulfillment for master's degree; students establish a research problem, search the literature, prepare a research proposal for submission to funding agencies and conduct necessary experimental and control procedures to test the established hypothesis. Students register for 1 to 5 semester hours.

ENDO 5V99 Thesis
Credits 1 to 5. 1 to 5 Other Hours.
Completion of thesis in acceptable form.