



Changing What's Possible

JAMES B. EDWARDS COLLEGE OF DENTAL MEDICINE

[musc.edu/dentistry](http://musc.edu/dentistry)



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Dean, College of Dental Medicine

## COLLEGE OF DENTAL MEDICINE

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*Since its founding more than 50 years ago, the MUSC College of Dental Medicine has grown into one of the most respected dental colleges in the country. The college was named in honor of Dr. James B. Edwards, an oral surgeon, former governor of SC, secretary of energy and president emeritus of MUSC. As the state's only dental school, the MUSC College of Dental Medicine is an important provider of dentists in a state that is currently underserved in terms of dental care. Sixty-eight percent of our graduates have chosen to remain in South Carolina, and more than half of the state's dentists today are MUSC graduates. We are committed to a safe, patient-centered health care experience for all individuals entrusted to our care and our patient satisfaction scores remain consistently above 96 percent for our services.*

The mission of the College of Dental Medicine is to develop principled, skilled, compassionate and culturally sensitive practitioners and leaders in oral health care; to expand the body of knowledge about oral and related diseases; and serve the citizens of South Carolina and beyond. We consider it critically important to provide our students with a solid foundation that allows them to continue to pursue and assess new knowledge throughout their professional careers.

We have committed to providing our undergraduate students and residents robust experiences in emerging technologies and the skills necessary to adapt to an increasingly complex and rapidly changing interdisciplinary health care delivery system. Innovation and entrepreneurial activities are strongly encouraged and supported as the college develops individuals who are capable of meeting the oral health needs of society.



130  
Clinical and  
Administrative Staff  
Members



6:1  
Faculty to Student Ratio

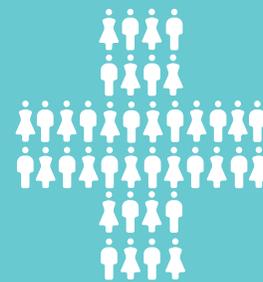


95%  
Teaching Effectiveness



50+  
Years Teaching Dental Medicine  
in South Carolina

Patient care, education and research are equally important parts of our mission. As we look to the future, it is vital that we are able to translate our discoveries into treatments and interventions that will improve the health of those we serve. Through academic excellence, innovation and discovery, and a commitment to serving patients with the highest level of care, the College of Dental Medicine is changing what's possible in dental education.



51  
Full-Time Faculty



65,000+  
Patient Visits Annually



205  
Part-Time and Volunteer  
Faculty Members



68%  
of Our Alumni Practice in  
South Carolina



322  
Total Enrollment College  
of Dental Medicine

# EDUCATION

*The James B. Edwards College of Dental Medicine is a strong, academically progressive, financially stable institution with a committed faculty and staff that serves a uniquely talented cohort of students. Our programs provide students an exceptional opportunity to learn in a multi-discipline environment, participate in cutting-edge research, and train in clinics on campus and across the state. These unique opportunities allow our students to graduate with the skills and confidence they need to be successful and to make a positive impact in patients' lives.*



## OUR EDUCATION PROGRAMS

Students and residents entering the James B. Edwards College of Dental Medicine experience an exceptional education. Our programs consistently earn accreditation through the Commission of Dental Accreditation (CODA) and the Southern Association of Colleges and Schools (SACS). These credentials demonstrate our academic excellence and commitment to ensuring our students earn an education that prepares them for lifelong learning and service to our patients and communities. Our college is a member of the American Dental Education Association and American Association of Dental Research. In addition to our predoctoral programs, the James B. Edwards College of Dental Medicine offers postdoctoral education in the following specialty areas: General Dentistry (AEGD), Endodontics, Pediatric Dentistry, Periodontics, Orthodontics and Oral and Maxillofacial Surgery. Each of these programs trains and prepares the dental scholars and leaders of tomorrow.

## JAMES B. EDWARDS COLLEGE OF DENTAL MEDICINE PROGRAMS

- D.M.D.
- Advanced Education Programs in:
  - General Dentistry (AEGD)
  - Endodontics
  - Pediatric Dentistry
  - Periodontics
  - Orthodontics
  - Oral and Maxillofacial Surgery



# RESEARCH

*As an academic medical center, research is embedded into everything we do. The College of Dental Medicine ranks in the top quartile of domestic educational institutions in number of NIH grants for research training and education.*



**\$3.28M**

Annual Research Funding 2017

*Overall extramural funding for research in 2017 was \$3,281,597, with sources including corporate, federal, state, foundation and other funding.*

## COLLEGE OF DENTAL MEDICINE RESEARCH

The College of Dental Medicine has maintained high levels of productivity in proposals submitted, awards granted and award amounts. Our latest research accomplishments include:

- MUSC being the only dental school in the country to complete all three phases of P30 funding
- Proven track record of oral health research students' successful competition for NIDCR F30/F31 awards
- NIH Institutional Training Grant (T32) supports dental scientists (e.g., D.M.D./Ph.D.), Ph.D. graduate students and postdoctoral fellows during their training in oral health research
- The Division of Population Oral Health having been awarded nearly \$5 million to support a portfolio dedicated to strengthening the dental safety net system and the policies that govern it
- The highly successful Ernest R. Norville Endowed Chair in Biomedical Engineering Program with Clemson University having advanced the science on temporomandibular joint and craniofacial regeneration with emphasis on dentin regeneration

### FUNDING SOURCES - COLLEGE OF DENTAL MEDICINE



# CLINICAL CARE

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A hallmark of the College of Dental Medicine's educational programming for students is direct patient care. Students spend the majority of their time in clinical care in our state-of-the-art facility and in outreach rotations throughout the state.



## SPECIAL NEEDS DENTISTRY

The Pamela Kaminsky Clinic for Adolescents and Adults with Special Health Care Needs (SHCN) offers a uniquely designed clinical space that provides for a wide variety of patients. This includes those with intellectual, developmental and physical disabilities, and medically complex needs, ranging from adolescents with autism to seniors with Alzheimer's disease or dementia.

Patient management techniques in the clinic include behavioral guidance as well as pharmacological management to include premedication with anxiolytics and nitrous oxide. Services can also be performed in a hospital operating room, if necessary. Third- and fourth-year students learn firsthand how to manage and provide treatment for this special patient population.

The clinic was designed with many special features, including:

- > Large exam rooms that can accommodate wheelchairs and stretchers; rooms can be closed off
- > Nitrous oxide
- > Stabilization equipment
- > A wheelchair access station
- > Two-way windows that allow for observation without distraction
- > Ability to play music at the patient's request

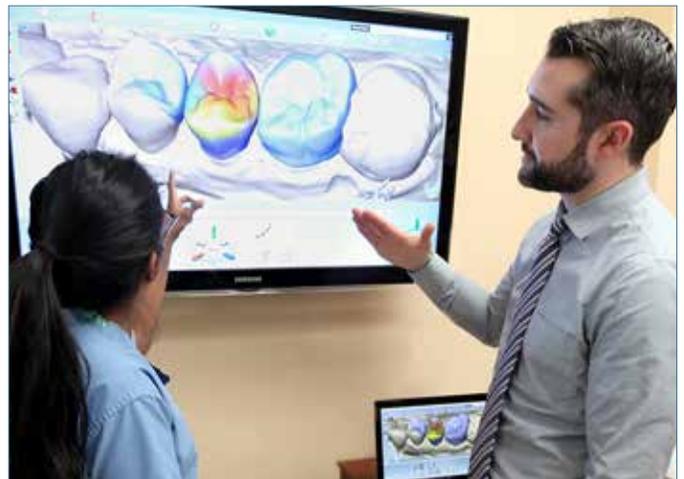


## DIGITAL DENTISTRY

From preclinical digital assessment software and digital removable prosthodontics to digitally based surgical guides and same-day CAD/CAM (computer-aided design and computer-aided manufacturing) clinics, digital dentistry is dramatically changing the lives of MUSC dental students and patients alike.

The breadth of digital dentistry curriculum at MUSC is unprecedented, with more than 100 hours of the preclinical curriculum dedicated to the teaching and mastery of many aspects of digital dentistry, including:

- > Preclinical Digital Assessment Software
- > Digital Removable Prosthodontics
- > Single Visit CAD/CAM
- > Digital Esthetic Clinic
- > Implant Prosthodontics
- > 3D printed surgical guides



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## THE MEDICAL UNIVERSITY OF SOUTH CAROLINA

Founded in 1824 in Charleston, The Medical University of South Carolina is the oldest medical school in the South. Today, MUSC continues the tradition of excellence in education, research, and patient care. MUSC educates and trains more than 3,000 students and 700 residents in six colleges (Dental Medicine, Graduate Studies, Health Professions, Medicine, Nursing, and Pharmacy), and has nearly 14,000 employees, including approximately 1,500 faculty members.

As the largest non-federal employer in Charleston, the university and its affiliates have collective annual budgets in excess of \$2.4 billion, with an annual economic impact of more than \$3.8 billion and annual research funding in excess of \$250 million. MUSC operates a 700-bed medical center, which includes a nationally recognized children's hospital, the Ashley River Tower (cardiovascular, digestive disease, and surgical oncology), Hollings Cancer Center (a National Cancer Institute-designated center), Level I trauma center, Institute of Psychiatry, and the state's only transplant center. In 2018, for the fourth consecutive year, U.S. News & World Report named MUSC Health the number one hospital in South Carolina.

For more information on academic programs or clinical services, visit [musc.edu](https://musc.edu).

For more information on hospital patient services, visit [muschealth.org](https://muschealth.org).



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