

33<sup>rd</sup> Annual Symposium on  
**General Dentistry**  
July 1-7, 2018

DIGITAL DENTISTRY

OFFICE CYBER SECURITY

OPIOID GUIDELINES

GUIDED IMPLANT SURGERY

RISK MANAGEMENT

TRAUMA & PAIN CONTROL

ESTHETIC SMILE DESIGN

PEDIATRIC DENTISTRY

Presented by **Augusta University Department of Restorative Sciences** and **Division of Professional and Community Education** at the King and Prince Beach Resort, St. Simons Island, Georgia.



**AUGUSTA**  
UNIVERSITY

# COURSE FACULTY

**Kevin B. Frazier, DMD, EdS, Course Director**, Vice Dean and Professor of Restorative Sciences with the Dental College of Georgia (DCG) at Augusta University. He received his DMD and General Practice Residency training at the University of Florida. He teaches clinical restorative dentistry, maintains an intramural general dental practice and conducts research in restorative materials and dental education. He is a member of the Executive Council of the Consortium of Operative Dentistry Educators and the Academy of Operative Dentistry.

**Christian Brenes, DDS, MS**, Assistant Professor in the Department of General Dentistry and Course Director of Honors Esthetic and Implant Dentistry at the DCG at Augusta University. Dr. Brenes received his DDS degree from Costa Rica in 2007. He completed implant surgical and restorative training before obtaining his MS in Prosthodontics at the University of North Carolina at Chapel Hill School of Dentistry where he was granted the Ann and G. Randolph Babcock Fellowship Award. He joined a prosthodontic private practice in Houston before joining the DCG at Augusta University. He is an international speaker, a consultant for several companies and has multiple publications on topics such as CAD/CAM, guided surgery, implants, biomaterials, milling and 3D printing technologies and dental esthetics.

**Bhavik Desai, DMD PhD**, Associate Professor and Section Director of Oral Medicine with the DCG at Augusta University. He received his PhD in biomedical sciences from the University of Maryland and his dental degree and oral medicine residency training from The University of Pennsylvania School of Dental Medicine. Dr. Desai is a Diplomate of the American Board of Oral Medicine. He teaches and provides patient services in oral medicine - in the areas of oral mucosal lesions, systemic manifestations of systemic disease and chronic facial pain at DCG. He has lectured on these topics at various local and national meetings.

**Jan K. Mitchell, DDS, MEd, CAPT US Navy (Ret)**, Associate Professor in the Department of Restorative Sciences at the DCG at Augusta University. She received her DDS from Emory University and served for 26 years in the U.S. Navy, where she completed a two-year residency in comprehensive dentistry, twice receiving the Award for Excellence. She served on active duty for 26 years, including assignments overseas, on ships, in teaching programs, where her adjunct position was as one of the White House dentists. She is certified as a Master by the Academy of General Dentistry and is a Diplomate of both the Federal Services Board of General Dentistry and the American Board of Operative Dentistry, which she has served as President. She earned a MEd in higher education from the George Washington University and was the recipient of the DCG Teaching Excellence Award in 2015. She has published and lectures nationally on many topics, including new concepts in caries, vital pulp therapy, dental materials, and treatment planning with risk assessment.

**Bruce Riggs, DMD, MPH**, Assistant Professor in the Department of Pediatric Dentistry with the DCG at Augusta University. He received his DMD from the University of Kentucky and completed a pediatric dentistry residency at the University of Florida/Shands Hospital. He received an MPH from Augusta University with a focus in Health Management in 2017. Dr. Riggs is a Diplomate of the American Board of Pediatric Dentistry and he had a private practice in Pediatric Dentistry in Marietta, Georgia for 28 years prior to joining the DCG in 2014.

**Michael R. Ragan, DMD, JD, LLM**, Managing Partner of a Miami based law firm with 25 years of experience as a defense trial attorney. He received a DMD from the University of Pennsylvania School of Dental Medicine, a JD from Georgetown University Law Center, and an LLM in Health Law from Loyola University College of Law. Dr. Ragan has held dental academic appointments at the University of Pennsylvania, the University of Florida, and Georgetown University. Dr. Ragan is presently Adjunct Professor in the Department of Oral and Maxillofacial Surgery at the Nova Southeastern College of Dental Medicine. He practiced dentistry for fifteen years and also spent seven years supervising healthcare professional liability claims within the insurance industry. Dr. Ragan is a Medico-Legal Consultant to the Fortress Insurance Company, a Fellow of the American College of Dentists, the International College of Dentists, and the American College of Legal Medicine.

# PURPOSE

The Augusta University Symposium on General Dentistry offers the practicing dentist a comprehensive array of useful information in a structured, condensed format presented by speakers that were selected for their expertise in their subject matter.

The purpose is to present effective clinical techniques or practice management concepts of interest to the general dentist with a contemporary restorative practice. This weeklong course provides the opportunity to update clinical and practice management knowledge in a relaxed, productive setting.

Open registration makes it possible to customize your schedule with our half-day format that provides ample opportunity to learn and relax at the beach. Dentists are encouraged to bring staff members to the course to enhance the transfer of new and applicable information from the course to the office.

# OBJECTIVES

Define Digital Dentistry (DD) • List CAD/CAM Systems & materials used in DD • Describe clinical concerns with bonding to dentin margins • Discuss resin adhesive post-op sensitivity and microleakage • Describe a Class II resin/glass ionomer restoration sandwich technique • Discuss the Opioid Crisis and federal or state responses to the epidemic • Integrate Opioid Prescribing Guidelines to your practice • Recognize common risk liabilities in dentistry • Develop skills to increase patient satisfaction and safety, and prevent potential malpractice suits • Describe sound dental record keeping • Describe smile design principles • Explain how digital treatment planning enhances esthetic outcomes • List the important features of veneer preps • Discuss the current cyber threats to healthcare and how to prevent cyber liability risks • Recognize secure methods for exchanging digital data • Implement Guided Implant Surgery techniques • Explain the Medical Model of Caries Management • Personalize patient treatment with risk assessment • Review methods to diagnose and classify traumatic dental injuries • Describe optimal therapy for dental trauma • Discuss restorative education trends in North American Dental Schools • Explain evidence-based restorative dentistry practices for pediatric patients • Develop a reliable algorithm for diagnosing pulpal pain • Explain rationale for vital pulp therapy • Describe current concepts in diagnosing and managing TMD • Explain the causes of neuropathic head & neck pain and treatment options • Describe local anesthetic choices for different clinical circumstances • Integrate optimal medication prescribing practices for pediatric patients • Discuss dental management for pregnant adolescents • Explain the causes and management of burning mouth disorder

# SPECIAL NEEDS

The Augusta University Division of Professional and Community Education complies with the Americans With Disabilities Act. If you require special services, facilities or dietary considerations (vegetarian or otherwise) to support your participation in this continuing education program, contact the conference coordinator at 800-221-6437 or 706-721-3967.

# WEEK AT A GLANCE

- Sunday** - Digital Dentistry - Posterior Composites - Opioid Prescribing Guidelines
- Monday** - Practice Risk Management - Smile Design & Veneer Preparations
- Tuesday** - Office Cyber Security - Guided Implant Surgery
- Wednesday** - Personalized Dentistry - Dental Trauma - Dental Education Update
- Thursday** - Pediatric Restorative Dentistry - Vital Pulp Therapy - TMD Management
- Friday** - Neuropathic Head & Neck Pain - Local Anesthesia & Pain Control - Prescribing for Pediatric Patients
- Saturday** - Dental Management for Pregnant Adolescents - Burning Mouth Disorder

## CREDIT

The Dental College of Georgia at Augusta University is an ADA CERP Recognized Provider.

ADA CERP® | Continuing Education Recognition Program

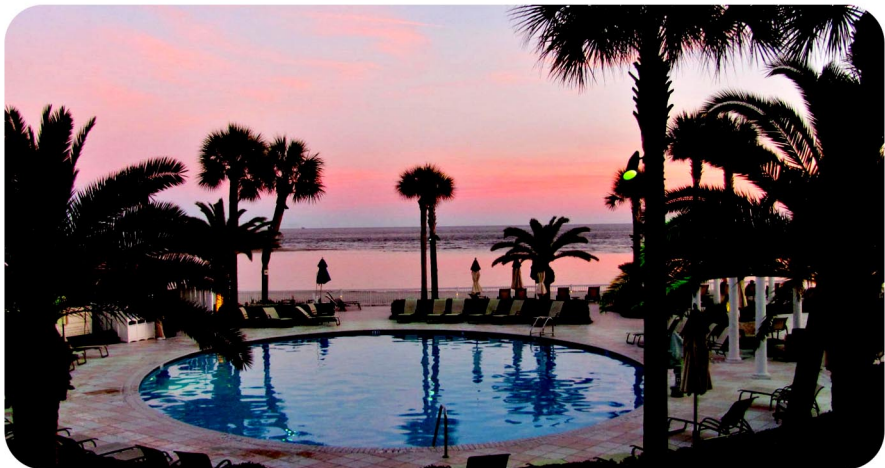
ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.



Concerns or complaints about a CE provider may be directed to the provider or to ADA CERP at [www.ada.org/cerp](http://www.ada.org/cerp)

The Dental College of Georgia at Augusta University designates this activity for **28.0** continuing education credits. 01/01/18-12/31/21.

The formal continuing education programs of this program provider are accepted by AGD for Fellowship/Mastership credit. The current term of acceptance extends from 01/01/18-12/31/21.



# CONFERENCE SCHEDULE

## Sunday, July 1, 2018 (1:00 - 5:15 p.m.)

12:45 p.m. **Welcome and Introduction to the Course** - Dr. Frazier

1:00 p.m. **Digital Dentistry, CAD/CAM Systems and Biomaterials** - Dr. Brenes

*This course demystifies digital dentistry and provides an update on new technologies. In this transition from analogue to digital dentistry practitioners and dental technicians are bombarded with biased information from companies and sponsored clinicians. The lecture covers all aspects of digital dentistry and clarifies the terminology and techniques from intra oral scanning to milling and 3D printing.*

2:45 p.m. **BREAK**

3:00 p.m. **The Class II Composite Sandwich Technique** - Dr. Frazier

*There are several clinical concerns regarding the use of composite resin to restore Class II preparations that extend apical to the CEJ including micro-leakage and post-op sensitivity due to the challenges of reliably restoring dentin margins with adhesive resins. The literature will be reviewed and a Class II Composite/Glass Ionomer Sandwich technique will be presented.*

4:00 p.m. **Dental Guidelines on Prescribing Opioids for Acute Pain Management** - Dr. Ragan

*Opioids are commonly prescribed for pain. An estimated 20% of patients presenting to Health Care Practitioners' offices with non-cancer pain symptoms or pain-related diagnoses (including acute and chronic pain) receive an opioid prescription. Oral health care providers write a million prescriptions for opioid pain medication each year. Opioid prescriptions per capita increased, with opioid prescribing rates increasing more for family practice, general practice, internal medicine and dental medicine. Rates of opioid prescribing vary greatly across states in ways that cannot be explained by the underlying health status of the population, highlighting the lack of consensus among clinicians on how to use opioid pain medication.*

## Monday July 2, 2018 (8:00 a.m. - 12:15 p.m.)

8:00 a.m. **Guarding Your Practice Through Proactive Risk Management** - Dr. Ragan

*This course presents key risk management strategies to reduce or eliminate legal risks through a comprehensive review of relevant dental claims. Topics include communication, patient selection, supervised neglect, failure to diagnose, the informed consent process, documentation, electronic health records, and HIPAA/HITECH regulations.*

10:00 a.m. **BREAK**

10:15 a.m. **Smile Design and Veneer Preparations** - Dr. Brenes

*Aesthetic considerations have influenced the management of dental disorders for many years. Both patient awareness and expectations have increased to the point that less than optimal aesthetics are no longer an acceptable outcome. In the contemporary dental practice, the clinician must be prepared to meet the challenge to provide care that will result in predictable results whenever possible. Therefore, an essential goal of smile design is correct diagnosis and treatment planning to secure long-term stability of the result. The combination of digital design and conservative dentistry has increased the potential for treating patients with a high degree of efficiency, communication and natural esthetic results.*

## Tuesday July 3, 2018 (8:00 a.m. - 12:15 p.m.)

8:00 a.m. **Cyber Threats, Privacy, Security** - Dr. Ragan

*The provision of health care is changing rapidly as providers try to maintain maximum efficiency while navigating a technology-rich climate. As a result of their reliance on electronic data, dental offices have become vulnerable to cyber security threats. The growing volume and sophistication of cyber-attacks suggest that dental practices will have to grow increasingly vigilant to ward off these threats. A breach of cyber security will inevitably lead to significant expenses, both financial and reputational, which can wreak havoc on a dental practice.*

10:00 a.m. **BREAK**

# CONFERENCE SCHEDULE

10:15 a.m. **Affordable Guided Implant Surgery for the General Practitioner** - Dr. Brenes  
*This lecture covers the fundamentals of placing implants using guided surgery, with a wide array of techniques to implement guided surgery in the dental practice without investing in expensive equipment; increasing predictability and efficiency. Guided implant surgery with 3D printed guides could be a game changer for the dental practice; making treatment less stressful by applying the principles of reverse engineering to restorative dentistry.*

## Wednesday July 4, 2018 (8:00 a.m. - 12:30 p.m.) Happy 4th of July!

8:00 a.m. **Personalized Dentistry: CAMBRA & ICCMS make your practice stand out** - Dr. Mitchell  
*Caries is a disease many take for granted since it's treated every day, but formal caries assessment should be an important part of any dental practice. This presentation will summarize a half-century of research, highlighting a completely different view of caries diagnosis and treatment than most of us were taught. Cutting edge information on treating high risk patients including diagnosing with ICDAS, classifying patient risk, strategies for patient compliance, remineralization protocols and selecting optimal materials for high-decay patients will be presented. Concepts on minimally invasive dentistry will be explained. An interactive session on using ICDAS for diagnosis will help familiarize participants with the process.*

10:00 a.m. **BREAK**

10:15 a.m. **Managing Dental Trauma Simplified** - Dr. Mitchell  
*When a patient presents with trauma, there isn't time to look up your options, yet details like the age of the patient and the circumstances of the trauma are critical in developing a plan of action. This presentation will present how to accurately diagnose and treat dental trauma emergencies.*

11:15 a.m. **Dental Education Update: Survey of North American Dental Schools** - Dr. Frazier  
*A summary of the Fall 2017 CODE annual survey of North American Dental Schools will be presented including: Provisional Materials and Techniques used, Teaching & relating to Millennial Students, Restoration Repair vs. Replacement Guidelines, & Bases/Liners used.*

## Thursday July 5, 2018 (8:00 a.m. - 12:30 p.m.)

8:00 a.m. **What's New in Pediatric Restorative Dentistry** - Dr. Riggs  
*This symposium is designed to update the practitioner on dental restorative materials and indications for use in children. The course participants will walk away with information on clinically successful evidence-based topic areas in: decision making for caries management, use of pit and fissure sealants, glass ionomer cements, use of amalgam, dentin/enamel adhesives, resin-based composites, restoring anterior teeth with strip-crowns and zirconia crowns, restoring posterior teeth with stainless steel crowns and zirconia crowns, and silver-diamine fluoride.*

9:30 a.m. **The Tooth on the Edge: Vital Pulp Therapy & Sorting out Symptoms** - Dr. Mitchell  
*What does it mean when a patient complains of sensitivity to cold or hot? When do you need to consider endodontics, restorative or non-surgical treatment, or just reassure the patient? Managing the deep carious lesion- do you need to get all the decay out, or should you seal the last bit in? Should you do a temporary and wait a few months, or just do the final restoration? What if you do get in to the pulp, can direct pulp caps work? This topic stirs a lot of interest, and will help you diagnose and answer the kinds of questions on pain that you get every day.*

10:45 a.m. **BREAK**

11:00 a.m. **Conservative Treatment for Managing Temporomandibular Disorders** - Dr. Desai  
*Patients with chronic pain secondary to disorders of the temporomandibular joint and associated structures can be challenging to diagnose and manage in a dental office. Treatment outcomes may often be unpredictable and obscured by psychosocial factors. This lecture will provide a summary of current, evidence-based concepts in the diagnosis and non-surgical management of various conditions that constitute temporomandibular disorders.*

# CONFERENCE SCHEDULE

**Friday July 6, 2018 (8:00 a.m. - 12:15 p.m.)**

- 8:00 a.m. **Neuropathic Pain Disorders of the Head and Neck Region** - Dr. Desai  
*Pain of neuropathic origin is uncommonly encountered in a dental setting and can be mistaken for odontogenic pain or pain secondary to temporomandibular disorders. This topic will provide a comprehensive review of non-odontogenic pain in the head and neck region of neuropathic and neurovascular origin. Differential diagnosis and medical treatment modalities of chronic recurrent and paroxysmal pain conditions will be highlighted.*
- 9:30 a.m. **Pain Control- Local Anesthesia & Oral Analgesics in the Opioid Crisis Era** - Dr. Mitchell  
*Achieving profound, reliable local anesthesia, especially in the mandible, can be a major source of frustration and wasted time. Myths abound, and most of them are wrong, on how to achieve profound pulpal anesthesia. This presentation covers the most current information on effective anesthesia along with Opioid prescribing considerations in light of new government regulations.*
- 10:45 a.m. **BREAK**
- 11:00 a.m. **Most Commonly Prescribed Medications in Pediatric Dentistry** - Dr. Riggs  
*The issues associated with prescribing medications has become more complicated due to microbial resistance to prescribed antibiotics, drug interactions, and increased number of medications used by both adult and pediatric patients. In this course the participants will learn the characteristics, warnings and precautions, and proper dosages for adult and pediatric patients for the following categories of medications: Antimicrobials (antibiotics, antifungals, and antivirals), analgesics, and fluorides.*

**Saturday July 7, 2018 (8:00 a.m. - 11:15 a.m.)**

- 8:00 a.m. **Dental Management for the Pregnant Adolescent** - Dr. Riggs  
*Adolescent Pregnancy remains a significant social and health issue in the U.S. This course is intended to address management of oral health care particular to the pregnant adolescent. The course attendees will learn: physiologic changes in pregnancy, safe medications, radiation safety, dental/oral complications, periodontal considerations, and prevention for mother and the infant. Nutrition, diet, and oral hygiene will also be discussed to prevent erosion and tooth-breakdown during morning sickness.*
- 9:30 a.m. **An Overview of Burning Mouth Disorder** - Dr. Desai  
*Burning symptoms in the oral cavity can be attributable to a variety of causes, and are a common complaint in a dental office. This lecture will address the diagnosis, referral and management of patients with burning mouth disorder.*
- 11:15 a.m. **ADJOURN**



## LOCATION

This course is presented at the King and Prince Beach Resort, St. Simons Island, Georgia, a comfortable and relaxing setting for attendees and their families. All sessions will be held in the Ballroom of the King and Prince Beach Resort. The course schedule allows ample time for exploring the many attractions of the Golden Isles. St. Simons Island is a charming island community offering a variety of art galleries, shops, dining, night life, historical attractions and recreational opportunities. St. Simons Island contains lovely residential areas and numerous historic sites. The King and Prince offers a variety of accommodations, including some oceanfront villas. Weekly rates are available for villas. See the reservation form included in this brochure for rates per night. For information about reservations, please call 800-342-0212 or 912-638-3631.

### **The Golden Isles of Georgia**

The islands separating the mainland of Georgia from the Atlantic Ocean are picturesquely named the Golden Isles. Golfing, tennis, sailing, bicycling and wind-surfing are popular activities on the islands. Boat cruises, nature tours and fishing expeditions offer opportunities for exploring the teeming salt-marsh environment. St. Simons Island contains lovely residential areas and numerous historic sites.

## LODGING RESERVATIONS

### **The King and Prince Beach Resort**

**The cut-off date is May 29, 2018.**

**Friday and Saturday stay required on weekends.**

Oceanfront room (\$322 per night)

Oceanview room (\$307 per night)

Resort view room (\$292 per night)

Two-bedroom oceanfront villa (\$536 per night)

Two-bedroom oceanview villa (\$482 per night)

Three-bedroom oceanview villa (\$605 per night)

Three-bedroom oceanfront villa (\$662 per night)

## TRAVEL ARRANGEMENTS

St. Simons Island is located near Brunswick, Georgia, midway between Jacksonville and Savannah. Both cities are served by major airlines as well as Amtrak, and Atlantic Southeast Airlines serves Brunswick/Glynco Airport (14 miles).

**By Car:** From north and south via I-95 and U.S. 17. From west via U.S. 25, 84, 341. Enter causeway off U.S. 17 at Brunswick.

**Limousine service** to and from Jacksonville (70 miles) is available by reservation from Golden Isles Shuttle, 912-264-1221; from Brunswick/Glynco Airport, shuttle service is provided by the King and Prince, 912-638-3631.

## COMFORT ZONE

Although every effort will be made to have a comfortable temperature in the meeting room, we realize that everyone's comfort zone is different. Please bring a jacket or sweater in case the room is too cool for your comfort.

# REGISTRATION FEE

**Symposium on General Dentistry** — July 1-7, 2018

**Check Appropriate Fee(s):**

**Registering fees:**

Entire Course:

(Sun.-Sat.)

Dentist: \$945

1st Auxiliary with Dentist: \$130

Additional Auxiliary: \$195

Partial Course (1-4 days):

Dentist: \$745

1st Auxiliary with Dentist: \$110

Additional Auxiliary: \$175



## ONLINE REGISTRATION IS PREFERRED

Registering online via credit card is quick, simple and secure

For online registration, questions, or to explore alternative registration options please visit the web address below

**[augusta.edu/pace/healthcare/dental/generaldentistry](http://augusta.edu/pace/healthcare/dental/generaldentistry)**

Early registration is encouraged to reserve your spot. In the event of cancellation, the registration fee less a \$75 administrative fee is refundable if the registration is received by **June 15, 2018**.

*Augusta University is not responsible for any circumstance making it impossible to attend their continuing education courses due to acts of God, war, government regulations, disaster, strikes, civil disorder or curtailment of transportation facilities. If Augusta University cancels a continuing education activity you will be refunded your registration fee.*



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**[facebook.com/AUGdentalCE](https://www.facebook.com/AUGdentalCE)**

★ If you wish to opt out of any photographic images during the CE course, please notify the course director at the time of the program!