

NEVADA STATE BOARD of DENTAL EXAMINERS



ANESTHESIA SUB-COMMITTEE MEETING

SEPTEMBER 20, 2019

12:00 P.M.

PUBLIC BOOK

Sandra Spilsbury

From: Sandra Spilsbury
Sent: Thursday, September 12, 2019 2:29 PM
To: [REDACTED] 'BRENDAN JOHNSON'
Subject: Sedation Course Review - Augusta University Dental College of Georgia
Attachments: Augusta University - Letter from Director.pdf; Augusta University - Sedation Course Outline.pdf

Hi Dr. Moore & Dr. Johnson:

A licensee is interested in attending the sedation course offered at Augusta University's Dental College of Georgia. Please see attached letter from the program director: Henry W Ferguson, DMD and course outline indicating didactic instruction (days 1 – 5) is greater than 60 hours focused on IV Sedation and Clinical (days 6 – 10) is completion of 20+ patient sedation cases as sole administrator (under faculty supervision).

After your review, please advise if course meets requirements to place on the agenda for September 23, 2019 for Board approval. Or advise if it doesn't meet requirements.

Thanks.

Sandra Spilsbury

Site Inspection – CE Coordinator
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August 29, 2019

Nevada State Dental Board
c/o Sandra Spilsbury
6010 S Rainbow Blvd, Ste A-1
Las Vegas, NV 89118

RE: [REDACTED]

The Intravenous Sedation Course is sponsored by the Augusta University, Dental College of Georgia (formerly the Medical College of Georgia), Department of Oral and Maxillofacial Surgery. It is an intensive, comprehensive and enjoyable educational experience focusing on the adult emersion education philosophy. The course faculty is composed of 3 board certified oral and maxillofacial surgeons, nurse clinicians, and a senior PhD certified registered nurse anesthetist (CRNA). The course is broken into a didactic portion, and a week-long clinical hands on training portion. The course meets and exceeds the ADA Guidelines for Teaching Pain Control and Sedation to dentists and dental students as adopted by the ADA House of Delegates, October 2016. Successful completion of the course will require the participant under the continuous oversight of the course faculty, to demonstrate competency and knowledge of the administration of parenteral IV sedation from pre-sedation patient evaluation to the post sedation recovery and discharge.

For the didactic portions of the training, the participants are exposed to more than 60 hours of IV sedation focused academic/didactic material. With the use of the small group atmosphere that we have, there is great optimization for both presentation of the materials, and student to presenter interaction.

The didactic portion includes lectures in the following subjects: Philosophy and rationale for IV sedation, Requirements for IV sedation, Routes of administration, IV sedation patient monitoring, ADA guidelines for use of IV sedation, Pharmacology of benzodiazepines, opioids, and reversal agents, Pharmacology of local anesthetic agents and their importance to IV sedation, IV sedation patient assessment, Basic airway anatomy, management, and resuscitation (total of 4 hours of instruction on airway management and resuscitation), IV conscious sedation documentation and review of the sedation armamentarium, Overview of venipuncture anatomy, and venipuncture techniques, (includes hands on exercises for participants to practice venipuncture and setting up the IV armamentarium), venipuncture complications and management, Pharmacology of adjunctive IV sedation medications, The role of nitrous oxide in conscious sedation, Misconceptions in the management of office emergencies, Review of basic

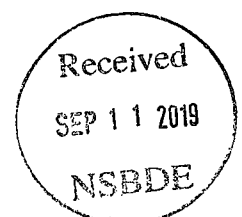
The Dental College of Georgia
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emergency medications, pharmacology, and indications for use, Anesthetic management of common systemic illnesses (a 3 part block of instruction),

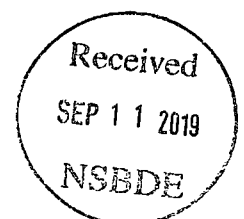
Factors critical to managing office emergencies, Office emergency prevention, recognition, and the basic action plan, Management of commonly occurring dental office medical emergencies (a 2-part block of instruction), IV sedation and special patient populations, from pre-sedation evaluation to patient discharge: putting it all together, Common dosing calculations, Management of the anxious patient. The role of oral pre-medication in conscious sedation in dentistry, Preparation for the Office Anesthesia Evaluation, Managing Emergencies: 9 Key Elements of office emergency management, Interactive Office Emergency Scenarios, Review of sedation principles, goals, and pearls. With every topic discussed, there is the weaving of the evidenced based formal teaching with the greater than 3 decades of experience provided for participant enrichment by the course faculty.

During the 1 week (40 hour) clinical hands on portion of training, the participant will personally manage the sedation for a minimum of 20 patients undergoing procedures. The clinical hands on portion of the training features supervised experiences by the course Director, Faculty OMS, Clinical Nurses, and the department CRNA. Under this supervision on a one to one basis, the participant will him or herself provide conscious sedation to twenty (20) or more patients, managing initial venipuncture, initial delivery of anesthesia with titration to appropriate endpoint (under the supervision of the attending surgeon), oversee the maintenance of the sedation, the emergence from sedation, patient recovery from sedation, and patient discharge. All sedations are performed in the Dental College of Georgia, Department of Oral and Maxillofacial Surgery with Faculty and Staff as described above.

In the Guidelines for Teaching Pain Control and Sedation to Dentists and Dental Students, adopted by the ADA House of Delegates, October 2016, the concept of Rescue is stressed. To this point, the participant will be exposed to the patients undergoing deep sedation. The intent here is not to teach deeper sedation techniques to the participant, but to familiarize the participant with the concept of rescue stressed by the ADA, and what the deeper levels of sedation look like clinically. The exposures support the management and discussion of how to avoid these deeper levels of sedation, and if needed, how to retrieve a patient from deeper unintended levels of sedation in a timely and safe manner.

With regards to hands on training, there are sessions in our advanced simulation laboratory using the high fidelity simulation mannequin to practice airway management and management of emergency scenarios. For the airway management portion, airway control is stressed and discussed with demonstration and hands on practice with current basic airway adjuncts, and management techniques. The airway management exercises with the airway adjuncts also includes performing intubations on the Simulation mannequin, and discussion of basic surgical airway techniques.

For the management of office emergency scenarios portion, emergency scenarios involving conscious sedation emergencies, non-sedation emergencies and airway management scenarios are created using the high-fidelity simulation mannequin. While the participants are simulating dental procedures, the emergent scenarios take place. The scenarios require the participant to provide real time assessment, responses, and interventions in a timely manner based on the scenario and its appropriate management. Each new scenario will require the participant in charge to assess and manage a new emergent scenario and manage the team. With each new scenario, the participants will rotate to have different roles/responsibilities. This stresses other important skillsets needed to manage emergencies, team dynamics and teamwork.



Because teamwork and training are always stressed, we find this combination of experiences with the mannequin and the simulation lab a very effective method for teaching.

I hope this overview of the IV Conscious Sedation Training offered by The Augusta University Dental College of Georgia has been helpful, and fulfills the training needs your state dental board has for providers who wish to perform IV sedation. If there are any additional questions, please contact me. I may be reached at 706-721-2411.

Sincerely,



Henry W. Ferguson, DMD

Associate Professor and IV Sedation Course Director

Diplomate ABOMS

Diplomate NDBA

Fellow ADSA



Intravenous Conscious Sedation Course

**Augusta University
Dental College of Georgia Department
of Oral and Maxillofacial Surgery**

Classroom Session All Students

COURSE INFORMATION FOR IV SEDATION COURSE

The following is the course schedule for the IV Conscious Sedation Course. We will try to adhere to the schedule as much as possible. However there will be occasions when we will have to change the order of the lectures or the speakers. The faculty for this course also have hospital and clinic coverage duties/responsibilities. There will be times when either the lecture or the lecturer will have to be moved or changed. This will be rare, but due to the nature of a hospital and clinical practice at a level one trauma center these changes may have to be made. It will not affect the total hours of the course or the clinical practice time.

You should arrive in Augusta, Georgia on the Tuesday before the start of class on Wednesday. We start at 7:30 am on Wednesday. The course participants have been divided into one person groups for those taking the entire course. During the classroom/ didactic portion, all groups participate in the classroom activities, and training with the interactive simulation mannequin.

For those returning for the clinical/hands on training portion, there will be a clinical start on the Monday following the completion of the Sunday classroom activities, and every following Monday until all participants have received training. Exceptions will be made for Monday holidays where there will be a 4 day week. Scheduling will be coordinated by Continuing Education.

This should be an intensive, informative and enjoyable educational experience for all of us. It never ceases to amaze us that we can learn so much from the CE participants. Most of you bring with you a great deal of clinical experience and practice management skills. We are looking forward to working and interacting with you all.

For the classroom portion of training: the participant will be given the sedation text upon arrival. A flash drive will be mailed to you prior to your arrival. All presentations plus extra material will be on the flash drives. If there is anything covered during the presentations, not on the drive, alert the program director. It is recommended that you load the material on your laptop, and review it prior to arrival. Bring the flash drive with you since we may make some additions to it during the course. You should bring a laptop with you that is able to read power point presentations. A pretest and posttest will be administered.

There are millions of patients who cannot receive routine dentistry and associated care because of fears, anxieties, and phobias. Managing these fears, anxieties and phobias is a special "gift" that can profoundly change your professional life. During the didactic portion of training, you will be immersed in information and dialogue which will provide the participant the skills to manage patient anxieties, fears, and phobias in a safe, predictable, safe and independent manner. In addition to being immersed in the sedation protocols and techniques, the management of office emergencies will be comprehensively addressed. There will be a thorough overview of critical factors needed to manage office emergencies. This includes, overview of the physical plant, emergency equipment, review of emergency drug pharmacology and indications, discussion of the emergency "Action Plan", overview of the provider and ancillary staff responsibilities, and review of specific office emergency scenarios and their management.

A block of instruction will be provided for hands on simulation training with the high-fidelity simulation mannequin. The participants will be required to make real time responses to commonly occurring anesthetic and non-anesthetic office emergency scenarios. Also during this block of instruction with the simulation mannequin, the participants will have dedicated hands on training involving basic and advanced airway management and resuscitation techniques which includes use of both basic and advanced airway adjuncts. Lastly, discussions will be directed to preparing the participants for the office anesthesia examination required for certification to provide conscious sedation.

The IV Sedation Course faculty have responsibilities relating to coverage of OMS Clinic and Operation Room activities. Many of the activities are emergent /urgent and cannot be rescheduled. Because of this, we may have to alter the order of the presentations as scheduled. However, all material will be covered

ACLS: Advanced Cardiac Life Support is mandatory for parenteral sedation. ACLS will be offered to any participants who request it. The ACLS training will take place on the Wednesday, Thursday, and Friday evenings after completion of the sedation didactic training. be

For the hands on clinical patient care portion of the course: the scheduled participant will start on the Monday following completion of the Sunday classroom activities. The day will start at 7:30 a.m. with the participant meeting with the clinic nurse to orient, review the daily schedule, discuss patients where needed, and assemble the sedation armamentarium and drugs. Follow on participants should arrive in Augusta on the Sunday to start Monday at 7:30 as detailed above (unless otherwise instructed)

While engaged in the clinical hands on training, each participant will provide the patient assessment, establishment of intravenous access, delivery of sedation medications, patient monitoring, oversight of patient recovery from sedation, and assessment for discharge. All questions/concerns will be directed to the clinical nurse, course director or attending faculty.

Because of the significant learning opportunities available, and ability to interact with the clinical faculty, nurses and staff, participants are encouraged to bring their ancillaries to participate with them in the hands on clinical training. Coordination with the CE Department and registration is required if this option is taken. Each clinical group should finish before 5:00 pm on the final clinical Friday. Groups will finish the final day with the post test, course after-action review and final comments with the course director.

It is mandatory that each participant query their State's Board of Dentistry to confirm the Boards requirements for number of patients to be managed, and level of sedation which will be recognized by the Board for case acceptance.

**Dr. H. W. Ferguson
Course Director
I.V. Conscious Sedation CE course
Associate Professor Oral and Maxillofacial Surgery
Augusta University
Dental College of Georgia**

Intravenous Conscious Sedation Patient Management in Dental Practice
WEDNESDAY - DAY ONE Classroom/Didactic Session

7 - 7:30am Registration, and Course Introduction

7:30 – 8:00am Written Pre-Test - Dr. Ferguson

Objective(s) To determine the participants, present level of patient management techniques, conscious sedation modalities and pain control methods

8- 9am Philosophy and rationale for Intravenous Sedation - Dr. Ferguson

Objective(s): Discussion of the philosophy and indications for iv sedation, with review of the sedation continuum, definitions of the different levels of sedation, overview of advantages, disadvantages, commonly occurring complications, and adverse events.

9-10am Requirements for IV Sedation -- Ferguson

Objective(s): To provide an over view of the requisites for performing safe, efficient, and independent iv conscious sedation. This presentation will highlight the key components of the pre-anesthetic, peri-anesthetic and post-anesthetic management of the sedation patient.

10-11am Routes of Administration – Dr. Ferguson

Objective(s): Review the various routes of administration for sedation medications and discussion of advantages and disadvantages of each

11-12pm IV Sedation Patient Monitoring - Ferguson

Objective(s): Review of the sedation continuum, with emphasis on the importance of patient monitoring to maintain the appropriate levels of sedation, recognize changes which may put the patient in danger, and maintain the needed margins of safety. Patient vital sign monitoring, oxygen saturation, and End Tidal CO2 monitoring techniques and armamentarium will be discussed.

12 - 1pm Lunch Munch and Learn – Dr. Ferguson

Continuation of morning's didactic presentations, course participant question, answer and review

1– 2pm ADA Guidelines for the Use of IV Sedation - Ferguson

Objective(s): To review the ADA's guidelines for providing safe and effective sedation and anesthesia to the dental patient. The incorporated discussions will provide definition of critical anesthesia terms, clear definitions of the various levels of sedation, and the critical actions and responsibilities within each level of sedation and anesthesia which must be followed by the provider to deliver efficient sedation with a high margin of safety.

2-4pm

**Pharmacology of Benzodiazepines, and Their
Reversal Agents – Dr. Kao**

Objective(s): Identify drugs, classifications, interactions, effects, reversal agents, where drugs act and the drug degradation routes

4– 5pm

Pharmacology Local Anesthesia – Dr. Kao

Objective(s): Discuss the pharmacology, physiology, and specific profiles of commonly used dental local anesthetic agents

5- 6pm

IV Sedation Patient Assessment

Objective(s): To examine and discuss the components of the IV sedation patient assessment process. In so doing, the student will recognize patient assessment as the primary tool for identifying the overall level of the health of the patient, and its value in assessing the level of risk of treating/sedating the patient.

6 - 9pm

Advanced Cardiac Life Support Training – Ms. Shawn Neal

Objective(s): To learn and become proficient with the Advanced Cardiac Life Support (ACLS) or advanced cardiovascular life support clinical interventions directed to the urgent treatment of cardiac arrest, stroke and other life-threatening medical emergencies, as well as the knowledge and skills to deploy those interventions.

THURSDAY - DAY TWO Classroom/Didactic Session

8-10am Basic Airway Management and Resuscitation part I – Dr. Holzhaur

Objective(s): To review relevant airway anatomy, respiratory physiology and the effects of sedative drugs on respiration; to discuss the importance of basic airway assessment by way of the history and physical assessment/examination; to review the causes and signs of airway obstruction and ventilatory distress with emphasis on managing airway obstruction and ventilatory distress/impairment with basic and advanced airway management techniques, use of basic and advanced airway adjuncts and equipment.

10-11am IV Conscious Sedation Documentation and Review of the Sedation Armamentarium – Nurse Morton, Dr Holzhaur

Objective(s): Review the documentation necessary to perform IV Conscious Sedation in the dental office. This will include the patient anesthesia record and what must be documented to accurately fulfill the anesthesia record's function as a medico-legal document. The discussion will have emphasis on timing, medications used, recording patient vital signs, intraoperative monitoring data, and the patient's progression to recovery, to clearly evaluate discharge criteria for appropriate patient dismissal. Also reviewed will be pertinent items of the pre anesthetic work up, patients past medical and past anesthetic history, and important questions which should be asked. A review of the necessary armamentarium for IV sedation, and sedation fluids will be demonstrated.

11– 12pm Overview of Venipuncture Anatomy and Technique – Dr. Holzhaur, Nurse Morton

Objective(s): To review the basic vascular anatomy of the upper arm, forearm and dorsum of the hand in recognizing appropriate venous structures which might be employed to gain venous access, and the locations of other vascular structures which should be avoided. Basic venipuncture techniques will be demonstrated and basic complications will be discussed.

12– 1pm Lunch Munch and Learn – Dr. Ferguson Continuation of morning's didactic presentations, course participant question, answer and review

**1-3pm Venipuncture and Intravenous Access Hands on Exercise for
all Participants – Dr Holzhaur, Nurse Morton**

Objective(s) Review the armamentarium of iv sedation; recognize the tourniquet, catheters, tubing, drug ports, and recommended IV fluids; review in real time the vascular anatomy, and the venipuncture techniques. Each participant will have opportunities to assemble and prepare the infusion setup, perform the venipuncture, confirm flow and properly stabilize the infusion setup.

3-5pm Pharmacology of Adjunctive Anesthetic Agents – Dr.Ferguson

Objective(s): Review several medications many of which are not classified as anesthetic medications which can be used before an anesthetic is administered as premedications and during anesthesia to augment anesthetic effects or diminish undesirable side effects. The medications will be discussed in regard to their classifications, pharmacologic actions, and indications for use

**5-6pm The Role of Nitrous Oxide in Conscious Sedation - Dr.
Ferguson**

Objective(s): Discuss history of nitrous oxide and role of inhalation sedation in dentistry; identify equipment used in inhalation sedation; understand patient selection, indications and contraindications for inhalation sedation; and explain function of equipment, and risk management.

6- 9pm Advanced Cardiac Life Support Training – Ms Shawn Neal

Objective(s): To learn and become proficient with the Advanced Cardiac Life Support (ACLS) or advanced cardiovascular life support clinical interventions directed to the urgent treatment of cardiac arrest, stroke and other life-threatening medical emergencies, as well as the knowledge and skills to deploy those interventions.

FRIDAY - DAY THREE Classroom/Didactic Session

8-10am Basic Airway Management and Resuscitation part II – Dr Ferguson

Objective(s): To continue discussion on airway management and resuscitation for the sedation dentist with special focus on the importance of a basic airway assessment by way of the history and physical assessment/examination; reviewing the causes and signs of airway obstruction and ventilatory distress, discussing management strategies with emphasis on managing airway obstruction and ventilatory distress/impairment with basic and advanced airway management techniques, and discussion of the indications for use of basic and advanced airway adjuncts and equipment.

10-11am Misconceptions in the management of Office Emergencies – Dr. Ferguson

Objective(s): To discuss how medical emergencies in the dental office are a reality, and can happen anytime, anyplace and to anyone; discuss how many dental practices are unprepared to handle them, and embrace several well-known misconceptions associated with managing office emergencies; to discuss the common misconceptions and how they can be avoided in properly addressing and managing an emergent medical problem.

11-12pm Review of Basic Emergency Medications, Pharmacology and Indications - Dr. Ferguson

Objective(s): To review Emergency Drug Kit (EDK), and the basic emergency medications recommended by the ADA, their pharmacology and indications. Also discussed are medications which should be available for the provider practicing office intravenous sedation.

12 – 1pm Lunch Munch and Learn – Dr. Ferguson Continuation of morning's didactic presentations, course participant question, answer and review

1-3pm Anesthetic Management of Common Systemic Illnesses/Conditions Part I – Dr Ferguson

Objective(s): To highlight many of the common systemic illnesses and conditions seen by the IV sedation provider which must be properly managed and understood to provide safe and uneventful sedation, or referral. The discussion will emphasize review of the basic pathophysiology, sedation indications, contraindications, and basic sedation/anesthesia strategies for safe patient sedation outcomes

**3– 5pm Factors Critical to Managing Office Medical Emergencies –
Dr. Ferguson**

Objective(s): To recognize and appreciate the many factors which are critical, and must be present to allow the provider, ancillaries and staff to efficiently, effectively and predictably manage an emergent medical event in the office. The discussion will highlight appropriate emergency equipment, airway management, medications, and proper training for the Dentist and staff.

**5- 6pm Office Emergency prevention, Recognition, and the Basic
Action Plan– Dr. Ferguson**

Objective(s) To appreciate that “an ounce of prevention is worth a pound of cure” by reviewing tools possessed by the provider which can assist with establishing risk of patient treatment, discussing common symptoms which suggest a problem is at hand, and reviewing the Basic Action Plan which offers the provider a mental flow chart to step by step manage the problem and identify when the next level of care must be summoned.

6- 9pm Advanced Cardiac Life Support Training – Ms. Shawn Neal

Objective(s): To learn and become proficient with the Advanced Cardiac Life Support (ACLS) or advanced cardiovascular life support clinical interventions directed to the urgent treatment of cardiac arrest, stroke and other life-threatening medical emergencies, as well as the knowledge and skills to deploy those interventions.

SATURDAY - DAY FOUR Classroom/Didactic Session

7-8am Breakfast Munch and Learn – Dr. Ferguson

Objective(s): To review and answer questions from the past three days of training and with the upcoming simulation exercises with the high fidelity Simulation Mannequin, to discuss the group dynamics necessary for proper management of an office emergency

8-12 pm Harrison Medical Commons Simulation Lab

8 – 9:30am Review of Basic and Advanced Airway Adjuncts Hands on Airway Management Skill Stations – Dr. Ferguson, Sim Lab Personnel

Objective(s) To review upper and lower airway anatomy, and to expose the participants to common airway management techniques, and basic and advanced airway adjuncts. Using the Simulation Mannequin as the primary teaching tool, the participant will have the opportunity to review discussed airway management techniques, discuss indications for airway adjunct use, and experience the real time placement of commonly used airway adjuncts with emphasis on both the placement of commonly employed supraglottic devices, and the confirmation of appropriate placement.

9:30 – 12pm Management of Commonly Occurring Office Emergencies and Adverse Sedation Events Using the High Fidelity Simulation Mannequin (Sim Man)

Objective(s): To engage each participant with an office emergency or adverse sedation event where the participant on the “hot seat”, using the monitored high fidelity simulation mannequin will have to diagnose the problem, activate the basic action plan, call for assistance, and manage the team members while providing the appropriate treatment(s) under real time. All scenarios will have an after-action review to discuss what was done right, and where improvements could be made.

12 – 1pm Lunch Munch and Learn – Dr. Ferguson

Objective(s): To review and discuss each office emergency or adverse anesthesia event from the simulation exercises, with the intent to highlight appropriate actions and discuss how other activities should be modified, omitted, or approved to provide the most efficient and predictable patient outcomes. A point of emphasis will be how the group is managed and delegation of activities.

1-3pm Anesthetic Management of Common Systemic Illnesses/Conditions Part II – Dr Ferguson

Objective(s): To highlight many of the common systemic illnesses and conditions seen by the IV sedation provider which must be properly managed and understood to provide safe and uneventful sedation, or referral. The discussion will emphasize review of the basic pathophysiology, sedation indications, contraindications, and basic sedation/anesthesia strategies for safe patient sedation outcomes

3-6pm

**Management of Commonly Occurring Dental Office Medical
Emergencies and Adverse Events Part I - Dr. Ferguson**

Objective(s): To review commonly occurring medical emergencies with discussion of the pathophysiology, review of the signs and symptoms, implementation of the Basic Action Plan with appropriate management strategies and approaches, and importance of instituting early involvement of the EMS when necessary.

SUNDAY - DAY FIVE Classroom/Didactic Session

7-8am

Breakfast Munch and Learn

Patient recovery and Discharge - Dr. Ferguson

Objective(s): To review the monitored patient and discuss the critical findings suggestive of appropriate recovery from sedation for patient discharge, and emphasize importance of discharge to escort in wheelchair.

8 - 10am

Management of Commonly Occurring Dental Office Medical Emergencies and Adverse Events Part II - Dr. Ferguson

Objective(s): To continue discussion and review of commonly occurring medical emergencies, discussion of the pathophysiology, review of the signs and symptoms, implementation of the Basic Action Plan, appropriate management strategies and approaches, and importance of instituting early involvement of the EMS when necessary

10-12pm

Anesthetic Management of Common Systemic Illnesses/Conditions Part III – Dr Ferguson

Objective(s): To continue review and discussion of the common systemic illnesses and conditions seen by the IV sedation provider which must be properly managed and understood to provide safe and uneventful sedation, or referral.

12 – 1pm

Lunch Munch and Learn – Dr. Ferguson

Objective(s): To review, discuss and ask questions pertaining to the common office emergencies and common systemic co-morbidities which the sedation dentist must be able to manage or avoid.

1-2pm

Sedation and Special Patient Populations

Sedation and the Geriatric Patient

Sedation of the Obese Patient – Sedation Course Faculty

Objective(s): Identify the anatomic, physiologic and functional differences of the geriatric and obese patient populations and how these factors must be understood and managed for the safe and predictable use of sedation agents.

2- 4pm

From Pre-sedation Evaluation to Patient Discharge: Putting It All Together – Sedation Course Faculty

Objective(s): To review and discuss the key activities and important considerations in the out patient office intravenous conscious sedation progression. Key items of discussion will include the pre sedation evaluation, activities on the day of procedure, NPO considerations, patient recovery protocols, and patient discharge.

MONDAY DAY SIX
CLINICAL PATIENT CARE

7-7:30am Review of Sedation Principles – Nurse Morton

Objective(s): prior to live patient treatment basic sedation principles and venipuncture technique will be reviewed.

7:30-8am Case review and Setup - Nurse Morton

Objective(s): Review sedation cases of the day to identify patient concerns or special needs; to prepare IV armamentarium and sedation drugs

8- 12pm Clinical Patient Care - Nurse Morton, Dr. Ferguson, Clinic Staff

Objective(s): Observe and participate in patient sedation, monitoring and recovery. Describe the advantages and disadvantages of the intravenous route of drug administration and review the set-up and application of monitors.

12 - 1pm Lunch

1 – 3pm Clinical Patient Care - Nurse Morton, Dr. Ferguson, Clinic Staff

Objective(s): Witness and participate in live patient sedation and recovery; describe the advantages and disadvantages of the intravenous route of drug administration; and review set-up and application of monitors.

3 - 4pm Common Dosing Calculations

Objective(s): To review common calculations and dilutions with sedation drugs and local anesthetics, with emphasis on how to calculate toxic drug levels, deliver emergency doses, and how to convert pounds to kilograms

4- 6pm Management of the Anxious patient. The role of oral pre-medication in conscious sedation in dentistry. The use of oral techniques with other techniques in conscious sedation – Dr. Ferguson

Objectives(s): What oral drugs are effective? What is the goal of oral pre-medication? Can oral pre-medication combined with Nitrous Oxide play a role in Conscious sedation? Complications of oral sedation. Contraindications of oral pre-medication. What are the Limitations of oral pre-medication.

TUESDAY DAY SEVEN
CLINICAL PATIENT CARE

7-7:30am Review of patient monitoring – Nurse Morton

Objective(s): To review the monitoring modalities needed for iv sedation vital sign monitoring and their importance to an uneventful sedation experience. .

7:30-8am Case review and Setup - Nurse Morton

Objective(s): Review sedation cases of the day to identify patient concerns or special needs; to prepare IV armamentarium and sedation drugs

8- 12pm Clinical Patient Care - Nurse Morton, Dr. Ferguson, Clinic Staff

Objective(s): Observe and participate in patient sedation, monitoring and recovery. Describe the advantages and disadvantages of the intravenous route of drug administration and review the set-up and application of monitors.

12 - 1pm Lunch

1 – 3pm Clinical Patient Care - Nurse Morton, Dr. Ferguson, Clinic Staff

Objective(s): Witness and participate in live patient sedation and recovery; describe the advantages and disadvantages of the intravenous route of drug administration; and review set-up and application of monitors.

3- 5pm Preparation for the Office Anesthesia Evaluation Pt I – Dr. Ferguson, Sedation Course Faculty

Objective(s) to prepare the participants for the office evaluation. The presentation will provide a review of important considerations in the office physical plant and IV treatment rooms, adjunctive equipment, back up equipment, instrumentation, emergency drug kits, drug preparation and security, record keeping, and monitoring requirements. State requirements may vary. Information should be available through the participant's state web sites. This is the responsibility of the participant.

5 – 6pm Managing Emergencies: 9 Key Elements of Office Emergency Management - Dr. Ferguson

Objective(s): To review key elements which will aid the practitioner and his/her staff in the management of office emergencies. This presentation will review key elements which will assist the provider in preparing both the office physical plant and personnel, as well as actual management of the patient with a medical emergency.

WEDNESDAY DAY EIGHT
CLINICAL PATIENT CARE

7-7:30am Review of airway management techniques – Nurse Morton
Objective(s): To review basic airway management techniques and emphasize the need of the sedation student to be ever vigilant to drug induced changes in airway mechanics. .

7:30-8am Case review and Setup - Nurse Morton
Objective(s): Review sedation cases of the day to identify patient concerns or special needs; to prepare IV armamentarium and sedation drugs

8 - 12pm Clinical Patient Care - Nurse Morton, Dr. Ferguson, Clinic Staff
Objective(s): Observe and participate in patient sedation, monitoring and recovery. Describe the advantages and disadvantages of the intravenous route of drug administration and review the set-up and application of monitors.

12 - 1pm Lunch

1 – 3pm Clinical Patient Care - Nurse Morton, Dr. Ferguson, Clinic Staff
Objective(s): Witness and participate in live patient sedation and recovery; describe the advantages and disadvantages of the intravenous route of drug administration; and review set-up and application of monitors.

3- 4pm Preparation for the Office Anesthesia Evaluation PT II Dr. Ferguson, Sedation Course Faculty
Objective(s) to prepare the participants for the office evaluation. The presentation will provide a review of important considerations in the office physical plant and IV treatment rooms, adjunctive equipment, back up equipment, instrumentation, emergency drug kits, drug preparation and security, record keeping, and monitoring requirements. State requirements may vary. Information should be available through the participant's state web sites. This is the responsibility of the participant.

4– 6pm Interactive Office Emergency Scenarios - Dr. Ferguson
Objective(s): Office emergency scenarios with specific signs, symptoms and factors will be presented to the participant. Specific to the described scenarios, will be an interactive discussion between participant and faculty where the participants will verbally detail the diagnosis, action plan with specific patient management strategies, to include activation of EMS as needed. After the management plan is provided by the participant, it will be discussed and critiqued by the faculty. Predisposing factors and related pathophysiology of the individual medical emergencies will be reviewed.

THURSDAY DAY NINE
CLINICAL PATIENT CARE

7-7:30am

Review of Recovery Protocol – Nurse Morton

Objective(s): To review the recovery process after cessation of provocative stimuli and identify factors suggestive of a level of recovery required for discharge

7:30-8am

Case review and Setup - Nurse Morton

Objective(s): Review sedation cases of the day to identify patient concerns or special needs; to prepare IV armamentarium and sedation drugs

8- 12pm

Clinical Patient Care - Nurse Morton, Dr. Ferguson, Clinic Staff

Objective(s): Observe and participate in patient sedation, monitoring and recovery. Describe the advantages and disadvantages of the intravenous route of drug administration and review the set-up and application of monitors.

12 - 1pm

Lunch

1 – 3pm

Clinical Patient Care - Nurse Morton, Dr. Ferguson, Clinic Staff

Objective(s): Witness and participate in live patient sedation and recovery; describe the advantages and disadvantages of the intravenous route of drug administration; and review set-up and application of monitors.

3- 4pm

Review of Prevention, Recognition, and Implementation of the Basic Action Plan- Dr Ferguson

Objective(s) To review preventive measures, signs and symptoms which may suggest an upcoming emergent event, and implementation of the Basic Action Plan which is designed to assist the provider in determining if the problem at hand is one which can be managed on site, or if the next level of care is required.

4– 6pm

Interactive Office Emergency Scenarios - Dr. Ferguson

Objective(s): Office emergency scenarios with specific signs, symptoms and factors will be presented to the participant. Specific to the described scenarios, will be an interactive discussion between participant and faculty where the participants will verbally detail the diagnosis, action plan with specific patient management strategies, to include activation of EMS as needed. After the management plan is provided by the participant, it will be discussed and critiqued by the faculty. Predisposing actors and related pathophysiology of the individual medical emergencies will be reviewed.

FRIDAY DAY TEN
CLINICAL PATIENT CARE Group

7-7:30am Review of IV Sedation Record Keeping – Nurse Morton
Objective(s): To review the recovery process after cessation of provocative stimuli and identify factors suggestive of a level of recovery required for discharge

7:30-8am Case review and Setup - Nurse Morton
Objective(s): Review sedation cases of the day to identify patient concerns or special needs; to prepare IV armamentarium and sedation drugs

8 - 12pm Clinical Patient Care - Nurse Morton, Dr. Ferguson, Clinic Staff

Objective(s): Observe and participate in patient sedation, monitoring and recovery. Describe the advantages and disadvantages of the intravenous route of drug administration and review the set-up and application of monitors.

12 - 1pm Lunch

1 – 3pm Clinical Patient Care - Nurse Morton, Dr. Ferguson, Clinic Staff

Objective(s): Witness and participate in live patient sedation and recovery; describe the advantages and disadvantages of the intravenous route of drug administration; and review set-up and application of monitors.

3 - 4pm Review of sedation principles and pearls- Dr Ferguson
Objective(s) To highlight up 10 days of comprehensive training and review key sedation principles and knowledge pearls for safe, uneventful, and predictable patient sedation experiences. The discussions will emphasize good risk management, proper patient selection, proper written consent; detailed sedation plan documentation, and monitoring,

4 – 5pm IV Sedation Post-test
Questions and Answers, Complete course critique - Dr. Ferguson

Objective(s): to administer the IV Sedation Post Test.
To review sedation cases and associated management questions or problems. The discussions will emphasize the importance of Dentist and staff training through CE, staying current with national and state rules and changes; good record keeping and periodic review and process improvement.

Augusta University - www.augusta.edu

IV Sedation

An Intensive Course in Intravenous Conscious Sedation

MARCH - DECEMBER 2019



REQUEST INFORMATION AND SCHEDULE

"Absolutely one of the best things I ever did. Dr. Getter and Dr. Ferguson were exceptional!"

"The IV Sedation course has changed the way I practice dentistry forever!! The IV Sedation course is the best CE I have ever attended. The emergency training alone was worth the time. The sedation training was a bonus."

"This was an outstanding course and I was thoroughly impressed with the instructors. I was very confident in my abilities and knowledge after the completion of the course."

Overview from the Course Director

This should be an intensive, informative and enjoyable educational experience for all of us. It never ceases to amaze us that we can learn so much from the CE participants. Most of you bring with you a great deal of clinical experience and practice management skills. We are looking forward to working and interacting with all of you. You will provide the full scope of sedation patient management from initial pre-anesthetic patient assessment to recovery and discharge.

We provide you with targeted direction throughout the course:



- We will concentrate on preparing you for the type of examination you may be required to take to achieve your certification.
- We will cover the office needs, training your staff and preparing for emergencies.
- We will cover the more common emergencies that may be encountered.
- We will role play the scenarios you may have to manage.
- We will take you through mannequin simulation on an interactive mannequin for drug, sedation emergencies and airway management.

You will be given the sedation text, handouts and course presentations on a flash drive. You should bring a laptop with you capable of viewing PowerPoint Presentations. The laptop must be able to read power point presentations. The course will be on a flash drive which will include all the presentations and handouts.

Dr. H. W. Ferguson

Co-Course Director

Conscious Sedation CE course

Associate Professor Oral Surgery

Augusta University Dental College of Georgia

+ PURPOSE

+ OBJECTIVES

× COURSE STRUCTURE

1. The course is 101.0 credit hours. These credit hours include 71.0 credit hours of didactic instruction and 30.0 hours of clinical training. The clinical training occurs over ten days with clinical rotations in the oral and maxillofacial surgery clinic.
2. Participants will be required to successfully complete a written examination at the completion of the didactic portion of the course.



- We will concentrate on preparing you for the type of examination you may be required to take to achieve your certification.
- We will cover the office needs, training your staff and preparing for emergencies.
- We will cover the more common emergencies that may be encountered.
- We will role play the scenarios you may have to manage.
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+ PURPOSE

+ OBJECTIVES

+ COURSE STRUCTURE

+ PREREQUISITES FOR THE COURSE

+ CREDIT

× COURSE DIRECTOR



Henry W. Ferguson, DDS, Col. Ret., Vice Chair of the Department of Oral and Maxillofacial Surgery and Director of Post Graduate training, received his dental degree in 1980 from the University Of Pittsburgh School Of Dental Medicine, Pittsburgh PA. He entered active duty service with the United States Army Dental Corps and completed a residency program in Oral and Maxillofacial Surgery at the Eisenhower Army Medical Center, Fort Gordon GA. Dr. Ferguson retired from active duty at the rank of Colonel in March 2004. In April 2004, Dr Ferguson received a joint appointment as an Associate Professor in the MCG Medical Center Department of Surgery and the MCG Dental College of Georgia as an Associate Professor in the Department of Oral and Maxillofacial Surgery. Dr. Ferguson is a Diplomate of the American Board of Oral and Maxillofacial Surgery, a member of the ADA, a fellow of the American Association of Oral and Maxillofacial Surgery, the National Society of Oral and Maxillofacial Surgeons, the American Dental Society of Anesthesiology and the National Dental Board of Anesthesiology.

+ REGISTRATION INFORMATION

+ ACLS

+ AUXILIARY PERSONNEL

+ LOCATION

+ COMFORT ZONE

+ SPECIAL NEEDS

+ PROGRAM PHOTOGRAPHY

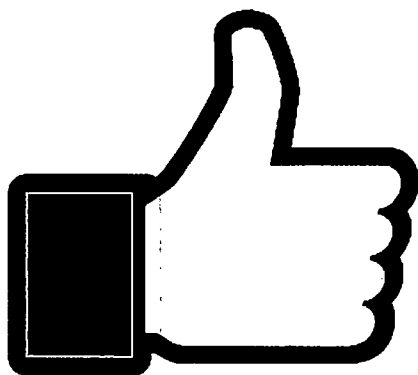
PLEASE NOTE:

Due to the demand and limited availability of spots for this course please keep the following in mind:



- If the need to reschedule arises please contact us no later than 60 days in advance. If you reschedule less than 60 days out a fee of \$1000 will be assessed.
- Our course is structured to meet the standards of the Georgia Board, and we have modified 2 clinical sessions to adhere to the Florida and New York guidelines, but **contact the board of dentistry in your state and confirm the requirements.**
 - If there are any forms that must be completed confirming your attendance, completion of clinical, etc. be sure to bring those with you. Dr. Ferguson will complete them before you leave
 - If there are any special requirements for the clinical sessions (drug limitations, amount of patients, etc.) please notify me and I will confirm with Dr. Ferguson so that proper arrangements can be made prior to your clinical dates.
 - **ALL special arrangements (i.e. forms, clinical requirements, etc.) must be made prior to your departure on your final clinical day.** If special arrangements (i.e. forms, clinical requirements, etc.)
Must be made after your departure an **additional fee of no less than \$2500 will be charged.**

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>**).



(**<http://facebook.com/augdentlce>**)

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