Texas A&M University College of Dentistry

Course Syllabus

Course Number and Name: DDHS 4110/8500 Medical Emergencies

Course Type: Lecture Laboratory Clinical Seminar Selective

Academic Year/Semester Offered: 2017-2018 ___ Fall ___ Spring ___ Summer Session

Course Director: Dr. David Grogan, DDS, MSD

Other Participating Faculty: Marianela Gonzalez DDS, MS

Course Description:
Discussions on the preparations for handling emergencies; prevention, recognition and management of various emergencies. The course includes case scenario presentations and mock “hands-on” drills.

Course Objectives:
At the completion of the course the student should:
1. Understand the preventive measures that will minimize the occurrence of most common medical emergencies.
2. Be able to recognize the signs and symptoms of the most commonly-encountered emergencies and understand their underlying physiology.
3. Know the initial steps to take to preserve the life of the patient until advanced medical help.
4. Understand the basic principles of designing and assembling an emergency drug kit, and writing an office emergency plan.
5. Understand how the office plans interfaces with the community EMS system resources.
6. Understand how the Texas A&M College of Dentistry emergency response operates in a similar manner, but with a higher degree of sophistication to the response via the “Code Blue” team.
7. Understand the importance of incorporating new technology, such ads AEDs and PBGMs in office emergency equipment sets.

Learning Outcomes/Related Competencies:
Dental Students
1.2 Provide humane and compassionate patient care for a diverse patient population.
1.1 Use oral, written and electronic information resources in contemporary practice as an aid for self-assessment and lifelong learning.
2.2 Assess and integrate into practice new techniques, materials and other findings applicable to dental practice.
4.1 Obtain a diagnostic database including the patient’s chief complaint, the dental, medical and psychosocial histories.
5.2 Recognize the presence and oral manifestations of systemic disease and how the disease and its treatment affect the delivery of dental care.
6.2 Communicate with other health care professionals to obtain additional information for evaluation and treatment.
7.1 Prevent, recognize, and manage dental and medical emergencies encountered in the practice of general dentistry.
7.12 Assess treatment outcomes and modify subsequent treatment as may be required.
8.1 Maintain patient records.

**Dental Hygiene Student:**
1. Comply with state and federal laws governing the practice of dentistry and dental hygiene.
2.1 Apply critical thinking skills and evidence based decision making to the practice of dental hygiene.
3.3 Contribute to the knowledge base of dental hygiene.
6.1 Determine medical conditions that require special precautions or consideration prior to or during dental hygiene treatment.
6.2 Perform an extraoral and intraoral examination of the patient including assessment of vital signs and radiographic examination, and distinguish normal from abnormal findings.
6.3 Manage the patient at risk for a medical emergency, and be prepared to handle the emergency should it occur during and appointment.
6.4 Recognize predisposing, etiologic risk factors, and life style choices that may require intervention to prevent disease.
6.6 Determine the need for referral to the appropriate health professional.

**Evaluation Criteria/Methods:**
There will be a mid-semester and a final examination covering all course material, including assigned reading materials. If you miss the midterm or final the make-up exam will be an Essay examination. The Final Course grade will be a weighted compilation of the midterm & final examinations. The course grade will be retroactively changed to “Failure” if any student fails to participate in and pass a mock drill scenario session to be held during the Fall Semester, 2016, until the drill scenarios are passed. The weighted value of all graded components is:

- Midterm Exam: 50%
- Final Exam: 50%
- Clinical Mock Drill: 0% *(Pass/Fail, Fall Semester, 2016)*

You cannot fail the Final Examination and pass the course. Anyone scoring below 70 on the adjusted Final Examination score will have to retake the test to obtain a passing score, but the original exam score will be used to establish the course grade. If the 2nd exam is also failed, a grade of 69 will be submitted.

**Grading Scale:**
A= 90-100  B= 80-89  C= 75-79  D= 70-74  F= <70

**Learning Materials:**
Medical Emergencies in the Dental Office, 7th Ed., Mosby.
Departmental Syllabus

**Remediation Policy:**
Due to the important nature of the contents of this course to patient safety and clinical practice, Remediation will be offered at the discretion of the course director. The Mock Drill Scenarios will be remediated during the 2016 Fall Semester, until passed. Failure to pass the drills will result in the course grade being changed to “Fail” until the mock drill session is passed.

**Attendance and Make-up Policy:**
We believe that diligent attendance in lectures is a sign of responsible professionalism (and may also increase grades). You may sit in any seat unless otherwise advised by the Course Director or Co-Director.

**Laboratory/Clinic Policies and Procedures:**
N/A

**Special Accommodation for Persons with Disabilities:**
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Dr. Paul Dechow, Associate Dean for Academic Affairs, Room 514, or call 214-828-8208 for additional information.

**Academic Integrity Statement required by the Aggie Honor System Office:**
All students are expected and required to uphold the Honor Code, to accept responsibility for learning and to diligently follow the rules of the Honor System ([http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu))

Aggie Honor Code:

> “An Aggie does not lie cheat, or steal or tolerate those who do.”

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the honor Code, to accept responsibility, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System.

[http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu)
## COURSE OUTLINE

<table>
<thead>
<tr>
<th>Date</th>
<th>Session Title/Topic</th>
<th>Instructor(s) L. Name</th>
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<tbody>
<tr>
<td>6/06/17</td>
<td>Intro: Review of Philosophy, Prevention, Training, Universal Actions; Common Emergencies: Syncope, Hypotension, Hypoglycemia, Angina, MI, Diabetics</td>
<td>Dr. Grogan</td>
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<tr>
<td>6/13/17</td>
<td>Cardiovascular &amp; CNS-Based Emergencies, including CHF, HBP, Anaphylaxis, Epilepsy &amp; Ventilation-Based Emergencies, include COPD, Asthma, Hypervent, Obstructed A/W, etc., Airway Management Review</td>
<td>Dr. Grogan</td>
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<tr>
<td>6/20/17</td>
<td>Routes of Drug Administration (incl. videotape on Starting IV’s); IV Assembly; Emergency Drugs &amp; Kits, drawing up drugs, Recommended Emergency Drugs; Emergency Equipment and Oxygen Tanks, Misc., Rare Emergencies: Thyroid, Steroids,</td>
<td>Dr. Gonzalez</td>
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<td>6/27/17</td>
<td>EXAM 1 Review/Overview: Malamed DVD – Emergencies Misc., Procedures that need to be shown/taught to Auxiliaries and staff in your offices, calling 9-1-1 monitoring emergency supplies, etc.</td>
<td>Dr. Grogan</td>
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<tr>
<td>7/11/17</td>
<td>FINAL EXAM</td>
<td>Dr. Gonzalez and Dr. Grogan</td>
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