

Naval Postgraduate Dental School, NMLPDC, Bethesda, Maryland
Continuing Education Courses 2024-2025
Dean: Captain S. M. Stokes, DC, USN

Continuing Education Courses

<u>Orofacial Pain</u>	21-25 Oct 2024
<u>Advanced Clinical Dentistry</u>	28 Oct-1 Nov 2024
<u>Pain Control and Nitrous Oxide Anxiolysis (*Mon thru Thu)</u>	4-7 Nov 2024
<u>Endodontics</u>	2-6 Dec 2024
<u>Oral and Maxillofacial Surgery Review for Oral and Maxillofacial Surgeons (*Mon thru Sat)</u>	20-24 Jan 2025 (Mock Board, 25 Jan)
<u>Oral and Maxillofacial Pathology and Radiology (*Tue thru Fri)</u>	28-31 Jan 2025
<u>Pediatric Dentistry and Orthodontics for the General Dentist</u>	3-7 Feb 2025
<u>Oral and Maxillofacial Surgery</u>	24-28 Feb 2025
<u>Digital Dentistry for Orthodontic, Oral Surgery and Implant Applications (*Mon thru Thu)</u>	10-13 Mar 2025
<u>Prosthodontics (*Mon thru Thu)</u>	17-20 Mar 2025
<u>Periodontics and Surgical Implantology</u>	31 Mar-4 Apr 2025
<u>Basic Osseointegration and Dental Implant Treatment (*Mon thru Thu)</u>	7-10 Apr 2025
<u>General Dentistry Treatment Planning</u>	5-9 May 2025
<u>Advanced Operative Dentistry</u>	12-16 May 2025

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All requests for enrollment should be made using the form found on the NPDS website at:

<https://www.med.navy.mil/Naval-Medical-Leader-and-Professional-Development-Command/Naval-Postgraduate-Dental-School/Continuing-Education/>



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OROFACIAL PAIN

Course Dates: 21-25 October 2024

Enrollment Quota: 50

Course Director:

CDR Preston Criddle, DC, USN; DMD, MS

Orofacial Pain Center

Diplomate, American Board of Orofacial Pain

CDR Criddle has no relevant financial relationships to disclose.

Enrollment Eligibility: Military and Federal agency dentists. Retired federal agency dentists will only be accepted on a "space available" basis. Course participants are encouraged to review head and neck anatomy before attending this course.

Course Description: This course will review the evaluation, diagnosis and management of patients with orofacial pain disorders. Current neurophysiologic constructs of orofacial pain conditions will be provided as the basis for clinical management. Case histories will be used as an instructional tool to obtain guided histories, develop differential diagnoses and formulate management plans of care. Participants will learn how to use a pain history and how to perform a clinical head and neck examination to assess orofacial pain patients. Differentiating between non-odontogenic head and neck pain disorders and how to evaluate patients who present with multiple concurrent pain problems will also be described. The roles of behavior management, pharmacologic intervention, splint therapy and the use of diagnostic/therapeutic local anesthesia will be reviewed and integrated into comprehensive treatment planning. The role of sleep in orofacial pain and management of obstructive sleep apnea will be reviewed.

Anticipated Learning Outcomes: After course completion, participants should be able to:

- become familiar with the terminology and concepts used in orofacial pain management
- appreciate the importance of stress physiology and how it may affect orofacial pain
- understand how parafunctional habits may contribute to orofacial pain
- become comfortable to examine the masticatory system (cervical and masticatory muscles, TMJ & associated structures) and relate how this information may contribute to orofacial pain
- appreciate the importance of the neuropsychological components of orofacial pain disorders
- discern how occlusion, PTSD and TBI may influence orofacial pain symptoms
- become familiar with the evaluation, diagnosis, and management of orofacial pain patients
- have an awareness of behavioral management strategies for orofacial pain disorders and be able to practice some of these in a clinical setting
- understand the importance of good sleep quality for the orofacial pain patient and how to assess this
- review and management of obstructive sleep apnea
- distinguish between odontogenic versus nonodontogenic sources of pain
- recognize when to refer orofacial pain patients to other healthcare providers

Continuing Education Credit: Approximate hours 32, AGD Subject Code 182

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ADVANCED CLINICAL DENTISTRY

Course Dates: 28 Oct-01 Nov 2024

Enrollment Quota: 50

Course Director:

Commander Blake M. Rosacker, DC, USN

Comprehensive Dentistry

DMD, Case Western Reserve University School of Dental Medicine

MS, Uniformed Services University of the Health Sciences

Certificate in Comprehensive Dentistry, NPDS

Board Certified, American Board of General Dentistry

CDR Rosacker has no relevant financial relationships to disclose.

Enrollment Eligibility: Military and Federal agency dentists. Retired federal agency dentists will only be accepted on a "space available" basis.

Course Description: This course is directed towards any dentist striving for clinical excellence and will provide a comprehensive overview and update of selected specialty areas. Particular emphasis will be placed on recent developments in each field, including a review of new materials, equipment, and instrumentation. In some specialty areas, clinical techniques will be reviewed in detail. In other areas, treatment philosophies will be discussed and evidence from the literature reviewed, enabling the attendees to improve their clinical decision-making. Anticipated topics include digital dentistry, operative dentistry, esthetic evaluation and treatment, ethics, prosthodontics, implantology, oral surgery, periodontics, endodontics, orthodontics, oral medicine, oral pathology and orofacial pain. Due to the broad scope of this course and to maximize enrollment, a hands-on or laboratory component will most likely not be included.

Anticipated Learning Outcomes: After completing this course, participants should be able to:

- discuss the newer technologies, equipment and instrumentation in various dental specialty areas
- describe the newer materials in the dental products market
- describe appropriate clinical techniques and materials for general dentists to apply in specific clinical situations
- discuss the current philosophies and controversies in the dental specialties

Continuing Education Credit: Approximate hours 32, Multiple AGD Subject Codes

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PAIN CONTROL AND NITROUS OXIDE/OXYGEN MINIMAL SEDATION

Course Dates: 04-07 November 2024 (Mon thru Thu)

Enrollment Quota: 30

Course Director:

Commander Katiana Cruet, DC, USN; DDS
Chairman, Pediatric Dentistry Department
Diplomate, American Board of Pediatric Dentistry

CDR Cruet has no relevant financial relationships to disclose.

Enrollment Eligibility: Active duty military only.

Course Description: Successful completion of this four day course will qualify the participant to apply for clinical privileges (according to participant's local credentialing process) to use nitrous oxide and oxygen (N2O/O2) minimal sedation. The course member's understanding of minimal sedation will be augmented by investigating the nature of pain and anxiety, its physiologic signs, behavioral effects, and complicating factors. Alternate pharmacological and psychological modes of pain and anxiety management will also be reviewed. Following the ADA guidelines for the teaching of minimal sedation, the participants will review the spectrum of sedation and respiratory anatomy and physiology. With a sound background in N2O/O2 pharmacology, its indications/contraindications and management of complications, the course member will have hands-on experience using N2O/O2 inhalation minimal sedation as an administrator and recipient. Work place safety during the administration of this inhalation sedation will also be emphasized.

Anticipated Learning Outcomes: After completing this course, participants should be able to

- discuss the anatomy and physiology of the respiratory, cardiovascular, and central nervous systems as they relate to the effects of drugs used for minimal sedation
- discuss the neurophysiology of pain and anxiety and non-pharmacologic methods of control
- discuss the pharmacologic effects of drugs used for minimal sedation
- describe the methods of obtaining a medical history and perform an appropriate physical examination of a dental patient
- apply these methods clinically in order to obtain an accurate evaluation of the dental patient
- discuss physiologic monitoring and the equipment used in such monitoring
- describe the basic components of inhalation sedation equipment
- discuss the function of each of the basic components of inhalation sedation equipment
- list and discuss the indications and contraindications for the use of nitrous oxide-oxygen inhalation sedation
- list the complications associated with nitrous oxide-oxygen inhalation sedation
- discuss the prevention, recognition, and management of these complications
- administer nitrous oxide-oxygen inhalation sedation to patients in a safe and effective manner
- understand the different types of local anesthetics and different techniques of administering local anesthesia
- understand work practice safety issues and use of nitrous oxide monitoring badges

Continuing Education Credit: Approximate hours 26, AGD Subject Code 132

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ENDODONTICS

Course Dates: 02-06 December 2024

Enrollment Quota: 32

Course Director:

Captain Susan E. Hinman , DC, USN; DDS, MS

Chairman, Endodontics Department

Diplomate, American Board of Endodontics

CAPT Hinman has no relevant financial relationships to disclose.

Enrollment Eligibility: Military and Federal agency dentists, priority to Navy for 50% of the class. Retired federal agency dentists will only be accepted on a "space available" basis.

Course Description: The ever-increasing emphasis on preservation of teeth for the restoration and maintenance of oral health provides impetus for endodontic clinicians, researchers, and manufacturers to search for more effective diagnostic and treatment methods, better endodontic equipment and materials, and more accurate means of treatment evaluation. The result has been the introduction to the dental profession of many new techniques, instruments, and devices to improve the practitioner's ability to provide better, faster, safer, and more biologically sound endodontic diagnosis and treatment. This course is designed as a state-of-the-art learning experience. Through a combination of lecture, seminar and hands-on sessions, it will emphasize the following major subject areas: pulpal and apical diagnosis and classification; treatment planning of endodontic cases; diagnosis and management of endodontic emergencies and traumatic injuries to the dentition and supporting structures; radiographic computed tomography technique and interpretation; isolation tips for the treatment area; retreatment; access, instrumentation, and obturation of the root canal system, along with hands-on sessions for both rotary instrumentation and obturation; diagnosis and management of endodontic/periodontic cases; vital pulp therapy, discussing the ever-growing area of Regenerative Endodontics; outcomes of endodontic therapy; and new endodontic instruments, devices, and materials.

Anticipated Learning Outcomes: After completing this course, participants should be able to

- Use the diagnostic classifications of pulpal and apical pathosis
- Practice the methods of diagnosing symptomatic and asymptomatic diseases of the pulp and apical tissues
- describe various radiographic and CT techniques for ensuring accurate endodontic diagnosis, proper treatment, and valid evaluation of healing
- recognize treatment modalities for endodontic emergencies
- demonstrate methods for evaluating, diagnosing, and managing traumatic injuries to the dentition
- identify techniques for isolating the treatment field
- discuss the uses and benefits of vital pulp therapy
- implement techniques for accessing and instrumenting the root canal system
- implement techniques for obturating the root canal system
- demonstrate methods of diagnosing and managing endodontic/periodontal cases
- compare the methods for evaluating the outcomes of endodontic therapy
- explain techniques for endodontic retreatment
- critique some of the new endodontic instruments, devices, and materials available for clinical use

Continuing Education Credit: Approximate hours 32, AGD Subject Code 070

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ORAL AND MAXILLOFACIAL SURGERY REVIEW FOR ORAL AND MAXILLOFACIAL SURGEONS

Dates: 20-24 January 2025 (Mon-Fri, lecture sessions)

Enrollment Quota: 50-military only (lecture sessions)

Mock Board Examination – Saturday 25 January 2025 (24 – military only)

Course Co-Directors:

Commander Wilfredo Palau-Hernandez, DC, USN; DDS
Chairman, Oral and Maxillofacial Surgery Department
Diplomate, American Board of Oral and Maxillofacial Surgeons
Naval Postgraduate Dental School, Bethesda, MD

CDR Palau has no relevant financial relationships to disclose.

Maj Andrew Jenzer, DDS

Program Director, Womack Army Medical Center Oral Maxillofacial Surgery Residency Program
Diplomate, American Board of Oral and Maxillofacial Surgeons

Maj Jenzer has no relevant financial relationships to disclose.

Registration: For course-planning purposes, participants must register by 01 November 2024, email CDR Wilfredo Palau at wilfredo.palauhernandez.mil@health.mil to confirm their participation in the mock boards (by 01 November 2024)

Enrollment Eligibility: Active duty military Oral and Maxillofacial Surgeons who are board-eligible and plan to take the Part II examination (Oral Certifying Exam) of the American Board of Oral and Maxillofacial Surgery in 2024. Any active duty OMS may audit the course for CE credit on a space available basis. Board Eligible OMS taking ABOMS OCE will have priority.

Course Description: Concentrated lectures from 0800 – 1600 daily covering frequently examined topics. There may be additional class study sessions in the evenings provided by the speakers. It is encouraged that attendees work in small groups after hours to assist in preparation for the oral certifying examination. A mock oral board examination for Active duty military will follow the course on Sunday, 25 January 2025.

Anticipated Learning Outcomes: After completing this review, participants should be able to

- describe strategies and skills in taking a comprehensive oral certifying examination
- discuss effective ways to verbalize your knowledge of oral and maxillofacial surgery principles
- discuss current treatment philosophy and novel techniques in oral and maxillofacial surgery

Continuing Education Credit: Approximately 36 hours, AGD Subject Code 310

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ORAL AND MAXILLOFACIAL PATHOLOGY AND RADIOLOGY

Course Dates: 28-31 January 2025 (Tue thru Fri)

Enrollment Quota: 50

Course Directors:

Commander Brittany Turner, DC, USN; DMD, MS
Chair, Oral and Maxillofacial Radiology Department
Staff Oral and Maxillofacial Radiologist
Diplomate, American Board of Oral and Maxillofacial Radiology
CDR Turner has no relevant financial relationships to disclose.

Commander Matthew E. Seedall, DC, USN; DMD, MS
Chair, Oral and Maxillofacial Pathology Department
Fellow, American Academy of Oral & Maxillofacial Pathology
Diplomate, American Board of Oral and Maxillofacial Pathology
CDR Seedall has no relevant financial relationships to disclose.

Enrollment Eligibility: Military and Federal agency dentists. Retired federal agency dentists will only be accepted on a "space available" basis.

Course Description: This course will provide a review and update of the local and systemic diseases that affect the oral cavity and maxillofacial region. The etiology, pathogenesis, clinical and radiographic presentation, diagnosis and treatment of commonly encountered and interesting oral & maxillofacial lesions will be presented. Emphasis will be given to the development of a meaningful clinical and radiographic differential diagnosis and effective two-way communication between the clinician and the pathologist or radiologist. Principles of panoramic radiology to include technique errors and radiographic interpretation will be covered as well as cone beam CT and other advanced imaging. Pharmacology topics will include discussion of major drug groups as they pertain to clinical dentistry. Several of the many topics that will be discussed include odontogenic cysts and tumors, infectious and granulomatous disease, syndromes of the head and neck, oral manifestations of systemic disease, salivary gland disease, oral premalignancy and carcinoma, fibro-osseous lesions of the head and neck, developmental defects of the oral and maxillofacial region and abnormalities of teeth. The class will participate in a clinical rad-path session whereby cases from the different categories of disease will be presented and informally discussed. Additional emphasis, when appropriate, will be placed on adjunctive special laboratory studies, biopsy technique, advanced imaging, and rationale used to arrive at a final diagnosis.

Anticipated Learning Outcomes: After completing this course, participants should be able to

- List major categories of disease and give examples from each category
- Identify common panoramic radiographic errors and differentiate between normal and abnormal radiographic findings
- Have a basic understanding of CBCT to include basic 3D anatomy and pathology
- Develop a reasonable differential diagnosis based on the clinical and/or radiographic features of a specific lesion
- Explain the significance of color, shape, and texture in the diagnosis of a lesion
- Use appropriate terms to communicate with the oral and maxillofacial pathologist or radiologist
- Describe some of the most common prescription drugs used in the U.S. and the peri-operative implications for the dentist

Continuing Education Credit: Approximate hours 28, AGD Subject Code 739

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PEDIATRIC DENTISTRY AND ORTHODONTICS FOR THE GENERAL DENTIST

Course Dates: 03-07 February 2025

Enrollment Quota: 35

Course Directors:

Commander Katiana Cruet, DC, USN; DDS
Chairman, Pediatric Dentistry Department
Diplomate, American Board of Pediatric Dentistry

CDR Cruet has no relevant financial relationships to disclose.

Captain Barry Peterson, DC, USN; DDS, MS
Chairman, Orthodontics Department
Diplomate, American Board of Orthodontics

CAPT Peterson has no relevant financial relationships to disclose.

Enrollment Eligibility: Active duty military only. Please note: This course is particularly advantageous for the general dentist who is receiving overseas orders. The timing of the course makes it convenient to take it prior to detaching from a CONUS duty station.

Course Description: This five-day course is designed to enhance the dentist's knowledge and skills in both Pediatric Dentistry and Orthodontics. One of the major course goals is to update and review diagnosis, treatment planning, and comprehensive and/or emergency dental care for the pediatric and orthodontic patient. Dental officers stationed overseas will find this course to be beneficial due to the large variety of family member treatment being done OCONUS. The topics covered from a Pediatric Dentistry perspective include diagnosis, treatment planning, preventive regimens, restorative techniques, pulp therapy, management of trauma, space management, and interceptive treatment. Emphasis will be placed on current behavioral management issues and techniques. Selected orthodontic subjects will include interceptive/preventive orthodontics, basic orthodontic appliances, minor tooth movement rationale and techniques, diagnosis and treatment planning for eruption guidance, molar uprighting, incisor alignment, diastema closure, crown lengthening/forced eruption, and retention. Clinical cases will be reviewed combining both orthodontic and restorative treatment options. Attendees will participate in small group/hands-on seminars on retainer design and adjustment, expansion appliance fabrication, minor tooth moving appliances, stainless steel crown and pediatric restorative preparation, band and loop fabrication, and arch length analysis. Classroom and lab instruction is delivered by both military and selected civilian subject matter experts.

Anticipated Learning Outcomes: After completing this course, participants should be able to

- complete a comprehensive examination on a child patient, including ordering appropriate radiographs
- discuss the etiology and prevention of early childhood caries
- identify common ectopic eruptions and propose appropriate intervention
- discuss the management of pediatric dental emergencies, traumas, and infection
- identify the indications and techniques for space management
- discuss the full range of patient management techniques
- discuss and treatment plan appropriate pulp therapy for primary teeth
- have an overview of trauma, pediatric specific treatment considerations and resources
- understand the interdisciplinary approach to community oral health, how to get involved in community events, and resources

- understand Andrew's Six Keys of Normal Occlusion
- make appropriate orthodontic or pediatric referrals
- recognize the significance and importance of the extra-oral exam as it relates to facial growth and development
- recognize the interrelationship between orthodontics and restorative dentistry
- describe basic orthodontic mechanics and bracket placement
- discuss orthodontic diagnosis and treatment planning
- recognize treatment considerations and describe the mechanics for molar uprighting, tooth extrusion and crown lengthening
- understand cephalometric tracing and its application in diagnosis and treatment planning
- recognize stages of orthodontic treatment and arch wire used
- have a basic understanding of impacted canine
- recognize different types of orthodontic bracket design
- prepare primary molars for restoration with stainless steel crowns
- perform arch length analysis and be able to interpret its findings

Continuing Education Credit: Approximate hours 32, AGD Subject Codes 430, 370
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ORAL AND MAXILLOFACIAL SURGERY

Course Dates: 24-28 February 2025

Enrollment Quota: 40

Course Director:

Commander Wilfredo Palau-Hernandez, DC, USN

Chairman, Oral & Maxillofacial Surgery

Diplomate, American Board of Oral and Maxillofacial Surgery

Naval Postgraduate Dental School, Bethesda, MD

CDR Palau has no relevant financial relationships to disclose.

Enrollment Eligibility: Military and Federal agency dentists. Retired federal agency dentists eligible on a space available basis.

Course Description: This course will provide a review of the basic knowledge and techniques of exodontia and minor oral and maxillofacial surgery, including use of oral and maxillofacial surgery equipment. In addition, an overview of recent treatment advances in oral and maxillofacial surgery in the areas of trauma evaluation and management, infection management, head and neck pathology, update on opioid medications, management of nerve injuries, osseointegrated implants, facial aesthetic surgery, and orthognathic surgery will be covered. Lectures and discussions will emphasize patient evaluation, surgical complications, medical emergencies, and the management of infections. A practical approach will be stressed.

Anticipated Learning Outcomes: After completing this course, participants should be able to

- recognize common surgical complications and describe their management and prevention
- describe the management of common medical emergencies
- discuss the surgical and antibiotic management of odontogenic infections
- recognize parameters requiring referral to an oral and maxillofacial surgeon
- triage, diagnose, and provide initial stabilization for maxillary, mandibular, and alveolar process fractures
- successfully suture traumatic soft tissue injuries
- discuss the equipment necessary for a dental clinic to possess in preparation for oral and maxillofacial surgery procedures

Continuing Education Credit: Approximate hours 32, AGD Subject Code 310

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DIGITAL DENTISTRY FOR ORTHODONTIC, ORAL SURGERY, AND IMPLANT APPLICATIONS

Course Dates: 10-13 March 2025 (Mon thru Thu)

Enrollment Quota: 12

Enrollment Eligibility: Active Duty Military Only

Course Directors:

Lieutenant Commander Frank I Gentz, DC, USN; BS, DMD, MS
Advanced Laboratory Restorative Digital Dentistry Specialty Leader
Certificate in Prosthodontics, NPDS

Course Disclosures: LCDR Gentz has no relevant financial relationships to disclose.

Lieutenant Commander Diewitt Duong, DC, USN; BS, DMD, MS
Staff-Naval Postgraduate Dental School
Certificate in Prosthodontics, NPDS

Course Disclosures: LCDR Duong has no relevant financial relationships to disclose.

Course Description: The focus of this course is digital workflows for orthodontic, orthognathic, and surgical implant treatments. The course will be divided into 3 fundamental areas: imaging, design, and manufacturing. Imaging topics will include Intraoral scanning and CBCT technology. Design topics will examine planning software, and the manufacturing component will detail 3D printing and milling options. The course has specific appeal to all providers with an interest in understanding the components of digital workflow and their integration are welcome to attend.

Anticipated Learning Outcomes: After completing this course, participants should be able to...

- appreciate benefits and limitations of digital workflow in orthodontic and orthognathic treatments
- recognize components of digital workflow, including imaging, analysis, design, and manufacturing
- understand system and user factors in achieving accurate full-arch intra-oral scans for patient treatment
- understand system and user factors in achieving accurate 3-dimensional radiographic images
- observe patient treatment accomplished with integrated and efficient digital workflow in orthodontic and surgical applications

Continuing Education Credit: Approximate hours 26, AGD Subject Code 615

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PROSTHODONTICS

Course Dates: 17-20 March 2025 (Mon thru Thu)

Enrollment Quota: 42

Course Directors:

CDR Stacy Yu, DC, USN; DDS

Program Director, Prosthodontics Department

Diplomate, American Board of Prosthodontics

Course Disclosures: CDR Yu has no relevant financial relationships to disclose.

LCDR Diewitt Duong, DC USN; DDS, MS

Staff, Prosthodontics Department

Course Disclosures: LCDR Duong has no relevant financial relationships to disclose.

Eligibility: Military and Federal agency dentists. Retired federal agency dentists will only be accepted on a "space available" basis.

Course Description: A 4-day course in prosthodontics designed for the general practitioner who has had limited or no additional training in prosthodontics. The course will cover basic diagnostic and treatment planning concepts and immerse the participant in prosthodontic fundamentals. Presentations will cover a wide variety of topics pertinent to fixed, removable and implant prosthodontics. Current treatment modalities and materials will also be presented.

Anticipated Learning Outcomes: After completing this course, participants should be able to

- diagnose and treatment plan for a variety of prosthodontic patients
- integrate and manage both fixed and removable prosthodontic treatment in prosthodontic presentations
- demonstrate a basic knowledge in treating Prosthodontic Diagnostic Index Class 1 and 2 patients in dentate, partially dentate, and completely edentulous situations
- discuss the basic concepts concerning implant restorative therapy and maintenance procedures

Continuing Education Credit: Approximate hours 24, AGD Subj Codes 610; 670; 780; 690; 070; 010

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PERIODONTICS AND SURGICAL IMPLANTOLOGY

Course Dates: 31 Mar-04 Apr 2025

Enrollment Quota: 40

Course Director:

Captain Yasir F. Bahrani, DC, USN; BS, DDS, MS

Chairman, Periodontics Department

Diplomate, American Board of Periodontology

CAPT Bahrani has no relevant financial relationships to disclose.

Enrollment Eligibility: Military and Federal agency dentists. Retired federal agency dentists will only be accepted on a "space available" basis.

Course Description: This course will provide current, practical information that will enhance the practicing dentist's diagnostic capability and familiarity with treatment options for management of the periodontal and implant patient. Evidenced based presentations on current topics in periodontics will be focused for general practitioners and specialists involved in the prevention and treatment of the acute and chronic periodontal and peri-implant diseases. This course will cover such topics as diagnosis, prognosis, and treatment planning; osseointegrated dental implants; principles of periodontal surgery; management of osseous defects; soft tissue surgery; chemotherapeutics; the interrelationship of periodontics with restorative dentistry and endodontics. Hands-on laboratory exercises encompassing a variety of periodontal surgery procedures will be offered. Case scenarios will be presented in small group discussion format to facilitate problem focused treatment planning and integration of all lecture and laboratory experiences.

Anticipated Learning Outcomes: *After completing this course, participants should be able to*

- describe and formulate the various components of a periodontal treatment plan
- discuss the principles of periodontal surgery
- describe the basic techniques and principles for replacing missing teeth with dental implants
- discuss the use of various periodontal therapeutic modalities to manage periodontal defects
- describe various periodontal surgical procedures used to manage soft tissue defects
- discuss the use of chemotherapeutics in periodontal therapy
- discuss how to evaluate periodontal therapy and determine appropriate maintenance protocols
- discuss diagnosis and treatment of acute periodontal conditions
- discuss treatment options for the "gummy smile"
- describe the use of lasers in periodontics
- explain the clinical importance of periodontal/restorative interrelationships
- identify current evidence for periodontal-systemic connections and risk factors for periodontal diseases
- discuss the prevention and management of peri-implant diseases

Continuing Education Credit: Approximate hours 32, AGD Subject Code 490

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BASIC OSSEOINTEGRATION AND DENTAL IMPLANT TREATMENT

Course Dates: 07-10 April 2025 (Mon thru Thu)

Enrollment Quota: 24

Course Director:

CDR Samuel Richards, DC, USN; DDS, MS

Prosthodontics Department

Diplomate, American Board of Prosthodontics

CDR Richards has no relevant financial relationships to disclose.

Eligibility: Active duty military general dentists with little or no training in the restoration of dental implants.

Course Description: The course is designed for general dentists with little or no restorative implant experience who desire current information on the advances in implant dentistry. The focus will primarily be on the restoration of the single tooth implant. Specific areas to be emphasized include implant systems, factors affecting osseointegration, treatment planning concepts for single tooth restoration, digital work flow for single-tooth implant restorations, surgical guides, site preparation with grafting materials, and occlusion. Additional emphasis will be placed on follow-up care, to include management of complications and routine maintenance. Hands on laboratory experience will be used to augment lecture material.

Anticipated Learning Outcomes: After completing this course, you should be able to

- Recognize approved implant systems available for use at DOD level
- Properly treatment plan and sequence implant cases involving single-tooth restorations
- Understand the importance of surgical/prosthodontic interrelationships in successful patient treatment
- Understand the latest surgical techniques for site preparation with tissue regeneration and grafting
- Understand the digital workflow for dental implant restorations
- Utilize surgical guides (conventional vs digital) for treatment planning dental implants
- Satisfy the didactic training requirement for credentialing in the restoration of the single tooth implant

Continuing Education Credit: Max hrs 32, AGD Subj Code 690

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GENERAL DENTISTRY TREATMENT PLANNING

Course Dates: 05-09 May 2025

Enrollment Quota: 30

Course Director:

Commander Jennifer C. Steigerwald, DC, USN; DDS, MS
Assistant Program Director, Comprehensive Dentistry Department
Diplomate, American Board of General Dentistry

CDR Steigerwald has no relevant financial relationships to disclose.

Enrollment Eligibility: Military and Federal agency dentists. Retired federal agency dentists will only be accepted on a "space available" basis.

Course Description: With an ever-increasing array of treatment and material options available to the general dentist, providers must become proficient in the comprehensive treatment planning process. This thorough and innovative 5-day course links the dental specialties in a multidisciplinary approach to complex treatment planning. The first part of the course reviews current preventive, risk assessment and diagnostic tools as well as essentials of modern restorative, periodontal, and surgical treatment planning. In the second part of the course, participants participate in group discussions focused on common dilemmas in treatment planning, and then work in small groups to develop and present treatment plans for select complex cases. Participants will apply the concepts and tools learned during the earlier part of the course, and then present the cases for discussion with the larger group.

Anticipated Learning Outcomes: After completing this course, participants should be able to:

- plan therapy that is matched to the needs of the patient, clinical expertise of the provider, available resources, and the ability of the patient to be a co-therapist to maintain dental health
- discuss current preventive, risk assessment, and diagnostic modalities
- demonstrate an improved understanding of key treatment planning concepts including occlusion, periodontal-restorative interrelationships, materials selection, indications for surgical therapy, and various options for restoring partially or fully edentulous arches
- develop a comprehensive treatment plan that ensures a logical integration of all phases of required therapy and considers a total patient care approach

Continuing Education Credit: Approximate hours 32, AGD Subject Code 010, 750, 780, 180, 250, 490, 690, 070, 149, 200, 370

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ADVANCED OPERATIVE DENTISTRY

Course Dates: 12-16 May 2025

Enrollment Quota: 40

Course Director:

Captain Kristi Erickson, DC, USN; DMD, MS

Chairman, Operative Dentistry Department

Specialty Leader for Operative Dentistry to the Bureau of Medicine and Surgery

Certified, American Board of Operative Dentistry

CAPT Erickson has no relevant financial relationships to disclose.

Enrollment Eligibility: Active duty military. Due to a high demand for this course, individuals that attended the previous year's course will not be eligible for enrollment this year.

Course Description: The Advanced Operative Dentistry course is designed to update the general practitioner in the clinical application of modern restorative materials, esthetic dentistry treatment considerations, and current caries prevention philosophies. Topics include caries risk assessment and preventive restorative treatment planning; periodontal restorative interrelationships; dental amalgam and mercury issues; restoration of endodontically treated teeth; dentinal bonding agents; tooth-colored restorative materials; anterior and posterior esthetic restorations; vital bleaching; and other restorative related issues. A preventive, conservative, and integrated disciplinary approach to restorative dentistry is stressed.

****Note:** Course attendees requiring magnification for close-up work should bring magnification loupes for the hands-on laboratory session if one is scheduled.

Anticipated Learning Outcomes: After completing this course, participants should be able to:

- discuss clinical caries management based on current preventive strategies
- discuss periodontal restorative interrelationships
- discuss the current status of dental amalgam
- discuss the mechanics of resin dentin bonding
- explain clinical criteria for the selection and placement of posterior esthetic restorations
- describe the placement and finishing of anterior and posterior direct esthetic composite restorations
- describe the indications and clinical techniques for the placement of glass-ionomer restorations
- demonstrate the clinical techniques and selection of materials for placement of indirect veneers and posterior ceramic restorations
- describe the selection of materials and clinical techniques for vital bleaching

Continuing Education Credit: Approximate hours 32, AGD Subject Code 250, 780

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