

Naval Postgraduate Dental School, NMPDC, Bethesda, Maryland
Continuing Education Courses 2014-2015
Dean: Captain G. A. Munro, DC, USN

Continuing Education Course Descriptions

General Dentistry Clinical Update	27-31 Oct 2014
Orofacial Pain	03-07 Nov 2014
CAD/CAM for Chairside Restorations	17-19 Nov 2014 (Mon through Wed)
Endodontics	8-12 Dec 2014
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Oral and Maxillofacial Surgery Review for Oral and Maxillofacial Surgeons	18,19-23 Jan 2015 (Sun, 18 Jan - Mock Board)
Oral and Maxillofacial Pathology	26-30 Jan 2015
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Oral and Maxillofacial Surgery	20-24 Apr 2015
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General Dentistry Treatment Planning	04-08 May 2015
Intermediate CAD/CAM for Sirona and In-Lab Users	06-08 May 2015 (Wed through Fri)
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Send enrollment requests to: Ann.L.Leahy.civ@mail.mil; (301) 295-0205 or DSN 295-0205

Enrollment requests should include: (1) Name, (2) Rank, (3) Branch of Service, (4) Status: Active Duty, Reserves or Retired; (5) Duty Station or Federal Agency (including city/state); (6) E-mail Address; (7) Work Telephone #; (8) *Cell Phone # (*required for the command emergency recall roster)

GENERAL DENTISTRY CLINICAL UPDATE

Course Dates: 27-31 October 2014

Enrollment Quota: 50

Course Director:

Captain Joseph D. Molinaro, DC, USN; BS, DMD, MS

Comprehensive Dentistry Department

Diplomate, American Board of General Dentistry

Diplomate, Federal Services Board of General Dentistry

Master, Academy of General Dentistry

Enrollment Eligibility: Federal agency dentists only. This course is directed at, but not limited to, mid-grade to senior dental officers. (One week before the course begins, non-federal agency dentists can telephone to see if space is available for enrollment.)

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

Course Description: This course is directed to the clinical general dentist and will provide a comprehensive overview and update of the major 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 for general dentists will be reviewed in detail. In addition, overall current treatment philosophies will be discussed especially where current controversies exist. Anticipated specialty areas of coverage include operative dentistry, esthetics, occlusion, fixed prosthodontics, implantology, dental materials, 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 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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OROFACIAL PAIN

Course Dates: 03-07 November 2014

Enrollment Quota: 30

Course Director:

Captain Nicholas Mazzeo, DC, USN; BS, DDS, MS
Orofacial Pain Center
Diplomate, American Board of Orofacial Pain

Enrollment Eligibility: Federal agency dentists only. (One week before the course begins, non-federal agency dentists can contact the continuing education office by telephone to determine if space is available for enrollment.) Course participants are encouraged to review head and neck anatomy before attending this course.

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during the check-in process on the first day of the course. Fees are not refundable.

Course Description: This course will review the evaluation, diagnosis and nonsurgical 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. Patient care considerations regarding sleep apnea, traumatic brain injury and PTSD will be presented. Additionally, course participants will have the opportunity to practice examination techniques and behavioral management skills in a clinical setting.

Anticipated Learning Outcomes: After completing this course, 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
- discuss the role of occlusion and how it relates to orofacial pain
- become familiar with the evaluation, diagnosis, and management of orofacial pain patients
- become aware 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 pain patient and how to assess this
- 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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CAD-CAM FOR CHAIRSIDE RESTORATIONS

Course Dates: 17-19 November 2014 (Monday thru Wednesday)

Enrollment Quota: 20

Course Director:

Lieutenant Commander Peter Barndt, DC, USN; BS, MDSc, DDS

Digital Dentistry Co-Specialty Leader

BS, Virginia Polytechnic Institute

MDSc, University of Connecticut

DDS, University of Michigan Dental School

Certificate in Prosthodontics, University of Connecticut Health Center

Diplomate, American Board of Prosthodontics

Enrollment Eligibility: Active Duty Navy only

Course Description: This 3-day course focuses on all of the elements involved with CEREC chairside restorations. It is designed for the restorative dentist with limited CEREC experience. The goal of the course is to familiarize the participant with the CEREC system, including the scan, design and mill processes. Materials and luting agents will be discussed for the chairside restoration. The course will consist of lectures followed by relevant of hands-on training. The course emphasis will be placed on successful workflow to produce a high-quality CEREC restoration.

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

- understand the indications and the fabrication process for the different porcelain systems available for digital dentistry
- know how to finish, stain and glaze a CAD/CAM restoration with the appropriate armamentarium
- understand and demonstrate the proper prep design for CEREC restorations
- image a prep, design a restoration, and mill the restoration ready for delivery
- understand the necessary maintenance of the CEREC unit

Continuing Education Credit: Approximate hours 20, AGD Subject Code 615

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ENDODONTICS

Course Dates: 08-12 December 2014

Enrollment Quota: 32

Course Director:

Captain Terry D. Webb, DC, USN; DDS, MS

Chairman, Endodontics Department

Director, Endodontic Residency Program

Diplomate, American Board of Endodontics

Enrollment Eligibility: Federal agency dentists only. (One week before the course begins, non-federal agency dentists can telephone to see if space is available for enrollment.)

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

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; outcomes of endodontic therapy; and new endodontic instruments, devices, and materials.

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

- describe the diagnostic classifications of pulpal and periradicular pathosis
- describe methods of diagnosing nonsymptomatic and symptomatic 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
- describe treatment modalities for endodontic emergencies
- describe methods for evaluating, diagnosing, and managing traumatic injuries to the dentition
- describe techniques for isolating the treatment field
- describe techniques for accessing and instrumenting the root canal system
- describe techniques for obturating the root canal system
- describe methods of diagnosing and managing endodontic/periodontic cases
- describe methods for evaluating the outcomes of endodontic therapy
- describe techniques for endodontic retreatment
- describe 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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PAIN CONTROL AND NITROUS OXIDE ANXIOLYSIS

Course Dates: 15-18 December 2014 (Monday thru Thursday)

Enrollment Quota: 30

Course Director:

Commander Sepehr Rajaei, DC, USN; BA, DMD
Chairman, Pediatric Dentistry Department

Enrollment Eligibility: Active duty military only. Other Federal agency dentists will be accepted on a space-available basis.

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) anxiolysis. The course member's understanding of conscious 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 conscious 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 anxiolysis 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 conscious sedation
- discuss the neurophysiology of pain and anxiety and non-pharmacologic methods of control
- discuss the pharmacologic effects of drugs used for conscious 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 anxiolysis
- list the complications associated with nitrous oxide-oxygen inhalation anxiolysis
- discuss the prevention, recognition, and management of these complications
- administer nitrous oxide-oxygen inhalation anxiolysis 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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ORAL AND MAXILLOFACIAL SURGERY REVIEW FOR ORAL AND MAXILLOFACIAL SURGEONS

Dates: 18, 19-23 January 2015 (Mon-Fri, lecture sessions; Sun, 18 Jan, mock board)

Enrollment Quota: 45 (lecture sessions); 16 - Active Duty Military (mock board)

Course Director:

Captain Edward G. Reeg, DC, USN; BS, DDS
Chairman, Oral and Maxillofacial Surgery Department
Diplomate, American Board of Oral and Maxillofacial Surgery

Registration: For course-planning purposes, participants must register by 12 December 2014.

Enrollment Eligibility: Active duty Navy Oral and Maxillofacial Surgeons who are board-eligible and plan to take the Part II examination (Orals) of the American Board of Oral and Maxillofacial Surgery in 2015.

Other military and Federal agency Oral and Maxillofacial Surgeons, who will be taking the Part II examination (Orals) of the American Board of Oral and Maxillofacial Surgery in 2015 are invited to enroll in the lectures and study session portion of the course. Non-federal agency dentists will only be accepted on a "space available" basis. Candidates are encouraged to attend the Oral & Maxillofacial Pathology course held 26-30 January 2015. Non-federal agency dentists will only be accepted on a "space available" basis.

Course Fee: Non-federal agency dentists: \$350.00 (lecture sessions only). Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$150.00 (lecture sessions only). Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

Course Description: Concentrated lectures covering frequently examined topics along with group and individual study sessions will assist the well-prepared candidate toward board certification. A mock oral board examination for active duty military will precede the course on Sunday, 18 January 2015.

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

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

Continuing Education Credit: Approximately 35 hours, AGD Subject Code 310

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ORAL AND MAXILLOFACIAL PATHOLOGY

Course Dates: 26-30 January 2015

Enrollment Quota: 50

Course Director:

Lieutenant Commander Laura N. Carle, DC, USN; DDS, MS
Oral and Maxillofacial Pathology Department

Diplomate, American Board of Oral and Maxillofacial Pathology

Enrollment Eligibility: Federal agency dentists only. (One week before the course begins, non-federal agency dentists can telephone to see if space is available for enrollment.)

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

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, treatment, and histopathology of these diseases will be discussed. Emphasis will be given to the development of a meaningful clinical differential diagnosis and effective two-way communication between the clinician and oral and maxillofacial pathologist. This course covers the five major categories of disease: developmental, inflammatory, metabolic, neoplastic, and infectious. 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 participants will participate in at least two clinicopathologic sessions. During these conferences, 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, histopathology, and rationale used to arrive at a final diagnosis.

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

- list five major categories of disease and give examples from each category
- 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.
- explain the importance of data collection and radiographs in the diagnosis of lesions.

Continuing Education Credit: Approximate hours 32, AGD Subject Code 739

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INCORPORATING OCCLUSION IN RESTORATIVE TREATMENT

Course Dates: **09-12 February 2015** (Monday thru Thursday)

Enrollment Quota: 20

Course Director:

Captain Marc E. Arena, DC, USN; BS, DMD, MS
Comprehensive Dentistry Department
Diplomate, American Board of General Dentistry
Fellow, Academy of General Dentistry

Enrollment Eligibility: Federal agency dentists only. (One week before the course begins, non-federal agency dentists can telephone to see if space is available for enrollment.)

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

Course Description: This highly participative course is designed for the general dentist who wants to understand a subject that challenges many and for specialists who would like to re-explore occlusal concepts. The relationships between TMJ mechanics, jaw movement, occlusal schemes, the periodontium, and anterior esthetics will be clarified to help participants plan and execute restorative dentistry. Through clinically oriented discussions, laboratory exercises, and hands-on sessions, participants will focus on the application of occlusal assessment, occlusal concepts, determinants of mandibular movement, and principles of articulation. Each participant will then apply this information by treating a sample restorative case in the laboratory which will involve equilibrating minor discrepancies, analyzing the occlusion using two different techniques and fabricating a custom anterior guide table. More complex restorative case studies will be presented to demonstrate concepts and treatment strategies. Participants, working in small groups will analyze selected cases using learned treatment planning skills and the principles of problem-based learning. **Note: Participants should bring eye protection, a lab coat, maxillary and mandibular study casts of their dentition, Participants are also invited to bring any personal cases that they think might be of interest in this course and/or would like to share with the class/staff during case presentations.

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

- define terms commonly used in the field of occlusion
- relate the determinants of mandibular movement to occlusal morphology
- rationalize the sequencing of occlusal treatment
- apply occlusal concepts to interpret and analyze the occlusion of a patient
- discuss the relationship between occlusion and the periodontium
- select for any patient an occlusal scheme appropriate to his or her restorative needs and existing physiology
- recognize when and how to perform occlusal adjustments on patients
- equilibrate a malocclusion
- apply the learned principles of occlusion to the diagnosis and treatment planning of selected cases

Continuing Education Credit: Approximate hours 26, AGD Subject Code 183

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PEDIATRIC DENTISTRY AND ORTHODONTICS FOR THE GENERAL DENTIST

Course Dates: 23-27 February 2015

Enrollment Quota: 35

Course Directors:

Commander Sepehr Rajaei, DC, USN; BA, DMD
Chairman, Pediatric Dentistry Department

Commander Sennay M. Stefanos, DC, USN; BA, DDS, MS
Chairman, Orthodontics Department

Enrollment Eligibility: Active duty and Federal agency dentists only. (One week before the course begins, non-federal agency dentists can telephone to see if space is available for enrollment.) 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 Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty

or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

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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PERIODONTICS

Course Dates: 02-06 March 2015

Enrollment Quota: 40

Course Director:

Captain Thu P. Getka, DC, USN; BS, DDS, MS
Chairman, Periodontics Department
Diplomate, American Board of Periodontology

Enrollment Eligibility: Federal agency dentists only. (One week before the course begins, non-federal agency dentists can telephone to see if space is available for enrollment.)

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

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 patient. Evidenced based presentations on current topics in periodontics will be focused for the 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; aggressive periodontitis; the interrelationship of periodontics with restorative dentistry and endodontics. Three hands-on laboratory exercises encompassing an introduction to dental implants (dento-form), periodontal surgical techniques including techniques for periodontal regeneration (Pig lab), and Crown Lengthening (dento-form) 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 bone 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
- 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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CURRENT CAD/CAM TECHNOLOGY

Course Dates: 16-19 March 2015 (Monday thru Thursday)

Enrollment Quota: 24

Course Director:

Lieutenant Commander Peter Barndt, DC, USN; BS, MDSc, DDS

Digital Dentistry Co-Specialty Leader

BS, Virginia Polytechnic Institute

MDSc, University of Connecticut

DDS, University of Michigan Dental School

Certificate in Prosthodontics, University of Connecticut Health Center

Diplomate, American Board of Prosthodontics

Enrollment Eligibility: Active-duty/civilian providers or lab technicians within the Air Force, Army and Navy.

Course Description: This course is designed to cover all elements of CAD workflow outside of the chairside restoration (See alternative course; CAD/CAM for Chairside Restorations). The focus will be on larger treatments, implants and different manufacturing techniques. The primary topics will be design programs and milling devices, but other topics will include intra-oral scanners and alternative manufacturing techniques (i.e. printing). The course is designed to be a Tri-service CAD/CAM summit to establish what prosthetics are currently being produced in the military with any digital workflow. All services will have an opportunity to present case presentations of laboratory experiences. Civilian providers and laboratories that have enjoyed success with CAD/CAM will be invited to share ideas for military systems to adopt. Finally, vendors will be present with their systems on display and attendees will have an opportunity to see demos, ask questions, and experience multiple CAD/CAM systems. The course content will appeal to both providers and lab technicians. Previous exposure to CAD/CAM systems is beneficial.

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

- gain an appreciation for different CAD/CAM systems and their strengths/weaknesses
- understand manufacturing workflow and how to select a manufacturing process for different prosthetic demands
- experience multiple CAD/CAM systems with a hands-on opportunity and interface with experts from different corporations
- acquire increased perspective on CAD/CAM workflow and areas for application within military dental laboratories

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

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ORAL MEDICINE, ORAL RADIOLOGY, AND PHARMACOLOGY

Course Dates: 23-27 March 2015

Enrollment Quota: 50

Course Director:

Commander Ann B. Monasky, DC, USN; BS, DMD, MS

Chairman, Oral Medicine Department

Specialty Leader for Oral Medicine, Pharmacology and Radiology to BUMED

Certificate, Oral Medicine, Oral Diagnosis and Oral Radiology

Certificate, Oral and Maxillofacial Radiology

Enrollment Eligibility: Federal agency dentists only. (One week before the course begins, non-federal agency dentists can telephone to see if space is available for enrollment.)

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

Course Description: This course will cover assorted topics in oral medicine, oral radiology and pharmacology of interest to the dental practitioner. Special emphasis will be placed on the dental management of selected medically complex patients, oral cancer and HIV updates, diagnosis and management of vesiculoerosive diseases and interactive case presentations with discussion of a variety of oral conditions. Trends in digital imaging as well as principles of panoramic radiology, technique errors and radiographic interpretation will also be covered. Pharmacology topics will include discussion of major drug groups as they pertain to clinical dentistry, top prescription drugs in the U.S. and the pharmacotherapeutic management of some common oral diseases. Specific drugs taken by medically compromised patients, indications for these drugs and dental management concerns will also be addressed.

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

- discuss dental treatment modifications for selected medically complex patients
- discuss epidemiologic trends, diagnostic tests and various treatment modalities for oral cancer
- formulate differential diagnoses for some common oral lesions and discuss their management
- evaluate the significance of preexisting medical conditions
- identify common panoramic radiographic errors
- differentiate between normal and abnormal radiographic findings and radiographic errors
- describe some of the most common prescription drugs used in the U.S. and their implications for the dentist
- modify dental management of the patient based on an understanding of the patient's medication profile

Continuing Education Credit: Approximate hours 32, AGD Subj Codes 730, 731, 016

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PROSTHODONTICS

Course Dates: 13-17 April 2015

Enrollment Quota: 35

Course Director:

LCDR Anton Petrich, DDS, MS
Chief, Complete Dentures

Eligibility: Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation The course fee will be collected during check-in procedures on the first

day of the course. Fees are not refundable.

Course Description: A 5-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 a variety of straight-forward prosthodontic cases
- integrate and manage both fixed and removable prosthodontic treatment in uncomplicated 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 hrs 32, AGD Subj Codes 610; 670

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ORAL AND MAXILLOFACIAL SURGERY

Course Dates: 20-24 April 2015

Enrollment Quota: 30

Course Director:

Captain Edward G. Reeg, DC, USN; BS, DDS
Chairman, Oral and Maxillofacial Surgery Department
Diplomate, American Board of Oral and Maxillofacial Surgery

Enrollment Eligibility: Federal agency dentists only. (One week before the course begins, non-federal agency dentists can telephone to see if space is available for enrollment.)

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

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, infection management, preprosthetic surgery, 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. Hands-on workshops covering suturing techniques for soft tissue wounds and closed reduction fracture stabilization techniques will be presented.

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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BASIC OSSEOINTEGRATION AND DENTAL IMPLANT TREATMENT

Course Dates: 27 April - 01 May 2015

Enrollment Quota: 20

Course Directors:

Commander William O. Wilson, Jr., DC, USN; DDS, MS
 Program Director, Maxillofacial Prosthetics
 Diplomate, American Board of Prosthodontics
 Certificate in Maxillofacial Prosthetics

Eligibility: Active duty military general dentists with little or no training in the restoration of dental implants. Other Federal agency dentists will be accepted on a space-available basis.

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 treatment planning concepts, guided tissue regeneration, site preparation with grafting materials, and aesthetic single-tooth restorations. Additional emphasis will be placed on follow-up care, to include management of complications, routine maintenance, and emergency repairs. Where possible, hands-on laboratory experience will be used to augment lecture material.

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

- properly treatment plan and sequence implant cases involving single-tooth restorations
- understand the importance of surgical/prosthetic interrelationships in successful patient treatment
- understand the latest surgical techniques for site preparation with tissue regeneration and grafting
- understand the use of new restorative implant technology
- understand the importance of proper maintenance regimens and the management approaches for implant complications
- 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: 04-08 May 2015

Enrollment Quota: 30

Course Director:

Commander Jayson H. Huber, DC, USN; DDS, MS

Comprehensive Dentistry Department
Diplomate, American Board of General Dentistry
Fellow, Academy of General Dentistry

Enrollment Eligibility: Federal agency dentists only. (One week before the course begins, non-federal agency dentists can telephone to see if space is available for enrollment.)

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable to Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

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, with a primary focus on the critical interface between restorative and periodontal factors. 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 selected 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 referral 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 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 735

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INTERMEDIATE CAD/CAM FOR SIRONA AND IN-LAB USERS

Course Dates: **06-08 May 2015** (Wednesday thru Friday)

Enrollment Quota: 20

Course Director:

Lieutenant Commander Peter Barndt, DC, USN; BS, MDSc, DDS

Digital Dentistry Co-Specialty Leader

BS, Virginia Polytechnic Institute

MDSc, University of Connecticut

DDS, University of Michigan Dental School

Certificate in Prosthodontics, University of Connecticut Health Center

Diplomate, American Board of Prosthodontics

Enrollment Eligibility: Active-duty/civilian providers or lab technicians within the Air Force, Army and Navy.

Course Description: This course is designed for Sirona users from both the chairside and laboratory arenas to expand their capabilities with Sirona equipment. Zirconia restorations, single tooth implant restorations and the use of pattern milling for pressing/casting will be included in the course. Clinical and Laboratory workflow for these new applications will be discussed in detail using patient treatment examples. The utilization of carbide milling instruments will be a critical element of the course. Finally, the features and functionality of the CEREC Portal will be discussed, including the use of Sirona scanners and software for the production and export of STL files. Tri-Service presenters will provide the lectures for this course.

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

- understand zirconia workflow and material handling characteristics
- appreciate single-tooth implant restoration capability and clinical/lab workflow
- appreciate increased applications for Sirona equipment to maximize productivity of existing military systems
- understand the architecture requirements of Sirona software for STL export

Continuing Education Credit: Approximate hours 20, AGD Subject Code 615

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ADVANCED OPERATIVE DENTISTRY

Course Dates: 11-15 May 2015

Enrollment Quota: 50

Course Director:

Captain Scott Kooistra, DC, USN; BA, DDS, MS

Chairman, Operative Dentistry Department

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

Certified, American Board of Operative Dentistry

Enrollment Eligibility: Active duty military only. Due to a high demand for this course, individuals that attended the previous year's course will not be eligible for enrollment this year. (One week before the course begins, non-federal agency dentists can telephone to see if space is available for enrollment.)

Course Fee: Non-federal agency dentists: \$250.00. Retired federal agency dentists and spouses (of active duty or retired federal agency dentists): \$125.00. Make check or money order payable Henry M. Jackson Foundation. The course fee will be collected during check-in procedures on the first day of the course. Fees are not refundable.

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 and the controversy surrounding the use of mercury
- 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