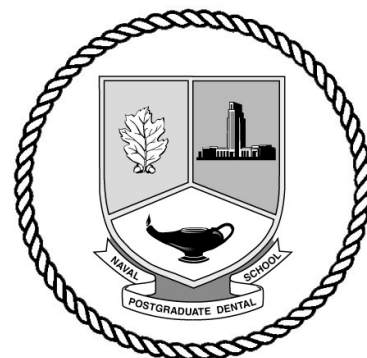
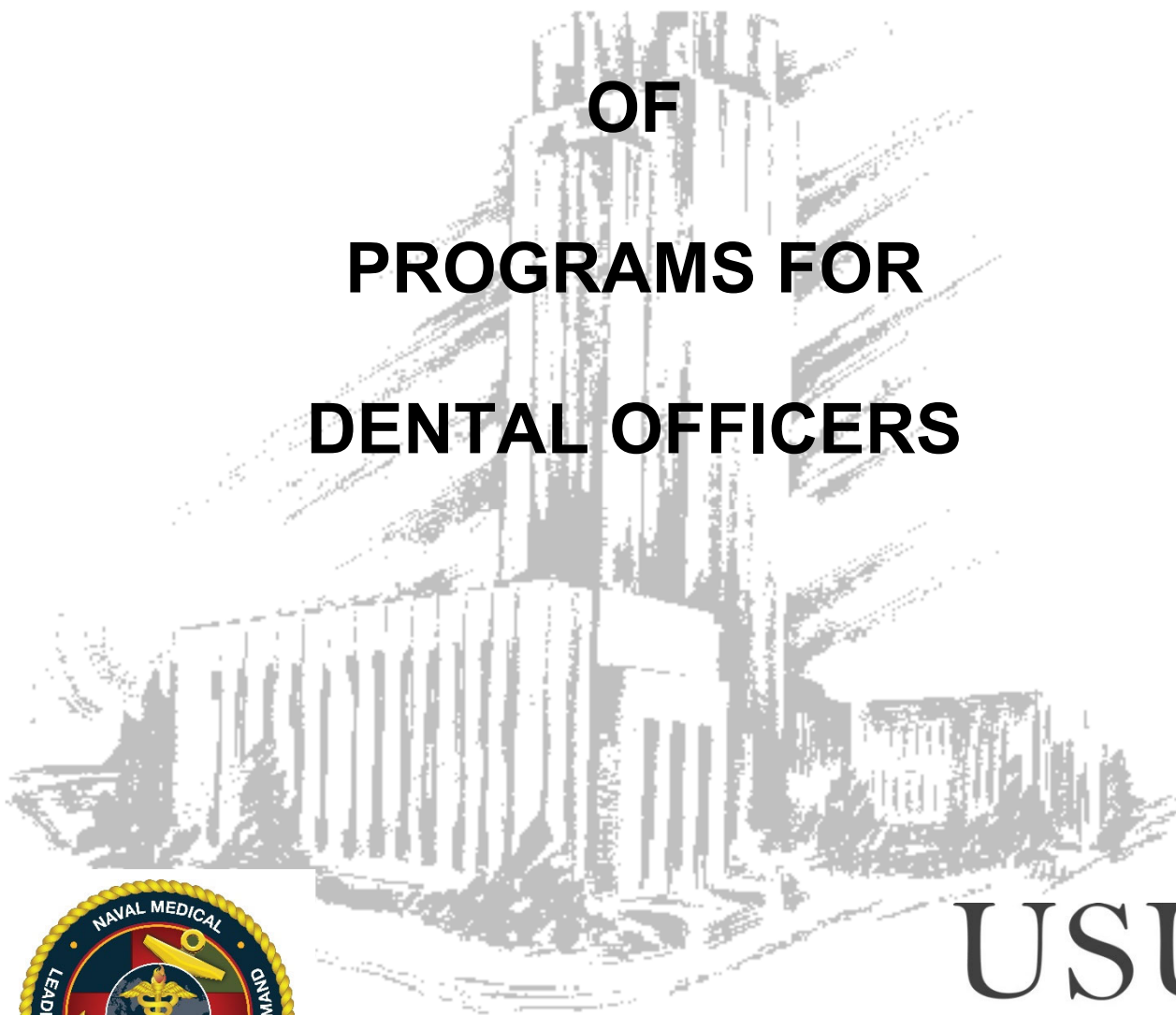


**2024-2025**



**CATALOG**  
**OF**  
**PROGRAMS FOR**  
**DENTAL OFFICERS**



**USU**



**Naval Postgraduate Dental School**  
**Naval Medical Leader and Professional Development Command**  
**8955 Wood Road**  
**Bethesda, Maryland 20889-5628**

**CATALOG OF PROGRAMS FOR DENTAL OFFICERS**  
**at the**  
**NAVAL POSTGRADUATE DENTAL SCHOOL**

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# CALENDAR FOR ACADEMIC YEAR 2024-25

## 2024

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First Year Residents Report	Monday, 24 June
Fall Term Starts	Tuesday, 2 July
Labor Day	Monday, 2 September
Columbus Day	Monday, 14 October
Veterans Day (Observed)	Friday, 10 November
Thanksgiving Academic Break Begins	Thursday, 28 November 1600 hrs
Classes Resume	Monday, 2 December
Fall Term Ends	Friday, 12 December 1600 hrs

## 2025

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Spring Term Starts	Wednesday, 6 January
Martin Luther King's Birthday	Monday, 20 January
Presidents' Day	Monday, 17 February
Spring Academic Break Begins	Monday, 14 April
Classes Resume	Monday, 21 April
Memorial Day Holiday	Monday, 26 May
Graduation	Friday, 6 June

No classes will be held on the holidays listed.

Additional digital copies of this and other Naval Postgraduate Dental School catalogs can be obtained by writing to the Dean, Naval Postgraduate Dental School, Naval Medical Leader and Professional Development Command, Bldg 1 Room 4384, 8955 Wood Road, Bethesda, Maryland 20889-5628.

Version 2024-25

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## INTRODUCTION

The Naval Dental School opened on February 3, 1923, as the Dental Department of the United States Naval Medical School, Washington, D.C. Its twofold purpose was the postgraduate instruction of officers of the Dental Corps of the US Navy and the training of hospital corpsmen to serve as dental assistants. In 1942, the newly designated National Naval Medical Center, including the Naval Dental School, was established in Bethesda, Maryland. The dental school was redesignated the Naval Graduate Dental School in 1971 and the National Naval Dental Center in 1975. In 1983, the Naval Dental Clinic, Bethesda, was established, with the Naval Dental School as a component facility. In 1989, the Naval Dental Clinic was renamed the National Naval Dental Center. In 1999, the Naval Dental School was renamed the Naval Postgraduate Dental School (NPDS). In 2004, the National Naval Dental Center was disestablished. In 2010, the Naval Postgraduate Dental School joined an academic alignment with the Postgraduate Dental College of the Uniformed Services University of the Health Sciences (USUHS), Bethesda, MD. Under the command and support of the Naval Medical Leader and Professional Development Command (NMLPDC), the Naval Postgraduate Dental School conducts advanced programs for dental officers that are designed to help the Dental Corps meet its need for officers who are fully qualified to practice, teach, and conduct research in dentistry. The programs are as follows:

- Two-year residencies in Comprehensive Dentistry, Endodontics, and Orofacial Pain
- Three-year residencies in Oral and Maxillofacial Pathology, Orofacial Pain, Periodontics, and Prosthodontics
- Four-year residency in Maxillofacial Prosthodontics
- One-year fellowship in Maxillofacial Prosthetics
- Six-month training program in Maxillofacial Prosthetics for Laboratory Technicians

### Admission to Residency Programs

All residents at the Naval Postgraduate Dental School are selected by the Dental Corps Full-Time Duty Under Instruction Selection (DUINS) Board. The DUINS Board meets annually in June to select residents to begin in the next fiscal year. The application deadline is 1 May.

Dental officers should apply via their commanding officer to: Head, Graduate Dental Programs, Naval Medical Leader and Professional Development Command, Building 1, Room 16125, 8955 Wood Road, Bethesda, Maryland 20889-5628; [usn.bethesda.navmedlead-prodevcmd.list.nmpdc-dental-corps-gp@health.mil](mailto:usn.bethesda.navmedlead-prodevcmd.list.nmpdc-dental-corps-gp@health.mil). Complete information on how to apply, including the specified format, is provided in the current BUMEDNOTE 1520. Additional information on programs admissions can be found in the Manual of the Medical Department, chapter 6, section XVI or by contacting the Graduate Dental Programs office at DSN 295-0650, commercial (301) 295-0650; [usn.bethesda.navmedleadprodevcmd.list.nmpdc-dental-corps-gp@health.mil](mailto:usn.bethesda.navmedleadprodevcmd.list.nmpdc-dental-corps-gp@health.mil).

### Residency Programs

The Naval Postgraduate Dental School (NPDS) offers a 1-year fellowship in maxillofacial prosthetics, 2-year residencies in comprehensive dentistry, endodontics and orofacial pain, 3-year residencies in periodontics, prosthodontics, oral and maxillofacial pathology, and orofacial pain, and a 4-year residency in maxillofacial prosthodontics. Dental officers in 2-year programs and those continuing in a 3 or 4-year-level program can expect to remain at the Naval Postgraduate Dental School through the completion of their residencies.

The programs in comprehensive dentistry, endodontics, maxillofacial prosthetics, maxillofacial prosthodontics, oral and maxillofacial pathology, orofacial pain, periodontics, and prosthodontics are accredited by the Commission on Dental Accreditation (CODA). The Commission is a specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-2718 or at 211 East Chicago Avenue, Chicago, IL 60611. The Commission on Dental Accreditation will review complaints that relate to a program's compliance with the accreditation standards. The Commission is interested in the sustained quality and continued improvement of dental and dental-related education programs but does not intervene on behalf of individuals or act as a court of appeal for individuals in matters of admission, appointment, promotion or dismissal of faculty, staff or students. A copy of the appropriate accreditation standards and/or the Commission's policy and procedure for submission of complaints may be obtained by contacting the Commission at 211 East Chicago Avenue, Chicago IL 60611 or by calling 1-800-621-8099 extension 4653.

All formal dental residencies sponsored by the Bureau of Medicine and Surgery, Navy Department, Washington, DC, meet the educational requirements for examination by specialty certifying boards. The curricula for the residency programs at the Naval Postgraduate Dental School are listed and described in this catalog.

### **Master of Science Degree Programs**

Residents will receive the master's degree in Oral Biology from the Postgraduate Dental College of the Uniformed Services University of the Health Sciences.

### **Goals of the Naval Postgraduate Dental School**

- Develop clinically proficient specialists for the Federal services
- Prepare, support, and have all residents achieve board certification
- Prepare dental officers to successfully manage specialty or advanced general dentistry practices in the military environment
- Prepare residents to be academic and clinical mentors to members of the Dental Corps, dental profession and Medical Department
- Promote a life-long interest in continued professional development, clinical, education and research endeavors
- Conduct health care research projects and contribute to the professional literature
- Prepare residents to critically review pertinent scientific literature
- Prepare residents for leadership roles

### **Research**

All residents are required to conduct a research project, approved by their Research Committee, following NPDS guidelines. At the conclusion of the residency, each resident will present and defend an oral report of this project and submit a manuscript suitable for publication.

## **Other Educational Resources**

The Naval Postgraduate Dental School arranges with other military and civilian institutions for joint seminars and interschool teaching opportunities. Principal inter-institutional relationships are with the Uniformed Services University of the Health Sciences, Naval Medical Leader and Professional Development Command, the Armed Forces Radiobiology Research Institute, the Joint Pathology Center, Walter Reed National Military Medical Center Bethesda, the National Institutes of Health, Howard University, the University of Maryland, and The National Institute of Standards and Technology. Dental specialists from many scientific and educational institutions are appointed as consultants at the school. Some of these specialists participate in the residency and continuing education programs.

## **Course Designations**

All courses have been assigned course numbers according to program and the year of study in which they are usually taken: 700-series, first-year residency level; 800-series, second-year residency level; and 900-series, third-year residency level.

## **Common Courses**

A core of common courses has been developed to ensure a well-rounded educational experience. The following are common courses:

- Applied Dental Psychology
- Dental Administrative Management
- Ethics
- Forensic Dentistry
- Management of Medical Emergencies
- Naval Operational Management
- Oral and Maxillofacial Pathology & Radiology (Parts I & II)
- Research Methods (I & II)

## **Other Background Information**

Those who complete residencies at the Naval Postgraduate Dental School ultimately are expected to attain board certification in their specialty or discipline. A clinical camera and a personal computer are indispensable for capturing and organizing the large volume of information and documentation that will be accumulated during the residency and will be needed for subsequent Board preparation. Because documentation of clinical cases begins early, residents should learn to use a clinical camera before commencing the program.

It is highly recommended that residents own a clinical camera and become fully acquainted with its use. Although there are computers in the school, most residents elect to purchase their own computer to ensure unimpeded access. This practice is strongly encouraged.

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## RESIDENCY PROGRAMS

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### RESIDENCY PROGRAM IN COMPREHENSIVE DENTISTRY

Program Director: CDR Blake Rosacker

The Naval Postgraduate Dental School has been offering postgraduate courses in general dentistry since 1923. These courses have evolved into a 2-year residency program in comprehensive dentistry. This CODA-accredited program is designed primarily for dental officers with 1 to 8 years of clinical experience who desire to learn comprehensive treatment planning for complex cases, develop a high degree of proficiency in all aspects of dental practice, and prepare themselves to become future teachers and mentors. The curriculum also includes courses to educate dental officers in contingency roles, military leadership, and personnel management. During the second year, the graduate is expected to challenge the written portion of the American Board of General Dentistry and, if successful, the oral and treatment planning section the following year.

#### FIRST-YEAR PROGRAM

The program unites basic and dental sciences in a formal schedule. Courses in the biological sciences are designed to update the dental officer's knowledge in these areas, and the student is then expected to correlate the subject matter with clinical practice. During the year, the dental officer is required to engage in a research project.

#### First-Year Curriculum

Course	Contact Hours
NCCC 701 Applied Dental Psychology	8
NCOM 705 Comprehensive Dentistry Removable Prosthodontics	20
NCCC 702 Digital Dentistry	23
NCOM 707 Endodontics	27
NCCC 704 Ethics	7
NCCC 705 Fixed Prosthodontics	19
NCCC 706 Forensic Dentistry	14
NCOM 704 General Dentistry Sick Call Rotation	20
NCCC 707 Management of Medical Emergencies	2
NCCC 709 Maxillofacial Prosthetics (hours 23-25)	3
NCCC 710 Naval Operational Management	8
NCCC 711 Nitrous Oxide	6
NCOM 708 Occlusion	12
NCCC 712 Operative Dentistry	32
NCCC 713 Oral and Maxillofacial Pathology & Radiology Part I	26
NCCC 714 Oral and Maxillofacial Surgery	12
NCCC 715 Orofacial Pain	24
NCCC 716 Orthodontics	15

NCOM 709 Pediatric Dentistry	11
NCCC 718 Periodontics	24
NCCC 719 Pharmacotherapeutics in Clinical Dentistry	16
NCCC 720 Research Methods I	10
NCCC 721 Research Project	120
NCCC 722 Restorative Implantology	38
NCOM 710 Seminar, Comprehensive Dentistry	124
NCOM 711 Seminar, Comprehensive Dentistry ABGD Board Examination	8
NCOM 706 Seminar, Diagnosis and Treatment Planning	4
NCCC 717 Seminar, Orthodontics I	4
NCOM 702 Seminar of Restorative Dentistry	32
NCOM 701 Specialty Clinic, Comprehensive Dentistry	767
NCCC 725 Systemic Disease in Clinical Dentistry	17
NCOM 703 Treatment Rendered Seminar	24
Feedback Sessions	7
Orientation, GMT, PRT, etc.	80
<b>Total hours</b>	<b>1575</b>

## SECOND-YEAR PROGRAM

The second-year curriculum complements the first-year program and expands the clinical experience to 80 percent of contact hours. Board-certified specialists from each Naval Postgraduate Dental School (NPDS) clinical department are designated as consultants to augment the comprehensive dentistry staff. Each consultant has assignments in the Comprehensive Dentistry Clinic to observe and mentor residents during patient treatment.

The didactic portion of the second-year course consists of regularly scheduled seminars for literature review, clinical pathology, and treatment planning. Periodically, special lecturers and outside consultants are scheduled. In both the clinical and didactic portions of the course, NPDS staff members from each discipline are responsible for articulating the treatment philosophies of their various specialties and coordinating these philosophies with the concept of comprehensive dentistry.

### Second-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NCCC 801 Dental Administration Management	9
NCOM 804 General Dentistry Sick Call Rotation	56
NCOM 815 Oral Surgery Rotation	105
NCOM 809 Orofacial Pain Rotation	16
NCOM 805 Pediatric Dentistry Rotation	35
NCCC 820 Research Methods II	5
NCCC 821 Research Project	150
NCOM 810 Seminar, Comprehensive Dentistry	124
NCOM 811 Seminar, Comprehensive Dentistry ABGD Board Examination	20
NCOM 812 Seminar, Comprehensive Dentistry ABGD Board Preparation	16
NCCC 813 Oral and Maxillofacial Pathology & Radiology Part II	10
NCOM 806 Seminar, Occlusion	6



NCOM 816 Seminar, Operative Dentistry	15
NCCC 802 Seminar, Oral Medicine	10
NCOM 813 Seminar, Orofacial Pain	9
NCCC 817 Seminar, Orthodontics II	6
NCOM 808 Seminar, Periodontics	9
NCOM 814 Seminar, Prosthodontics	12
NCOM 802 Seminar of Restorative Dentistry	32
NCOM 801 Specialty Clinic, Comprehensive Dentistry	860
NCOM 807 Teaching, Comprehensive Dentistry	1
NCOM 803 Treatment Rendered Seminar	24
Feedback Session	1
GMT, PRT, BLS, etc.	44
Total hours	1576

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## **RESIDENCY PROGRAM IN ENDODONTICS**

Program Director: CDR William S. Walker

The length of this program is 24 continuous months and involves the study of the morphology, physiology, and pathology of the human dental pulp and apical tissues. It encompasses the basic clinical sciences, including biology of the normal pulp, and the etiology, diagnosis, prevention, and treatment of diseases and injuries of the pulp and associated apical conditions.

To prepare residents to challenge the American Board of Endodontics Board Certification, residents take the ABE Written Examination in May of their second year of residency prior to completing the program. Also included in the board preparation process is writing up five (5) cases that fit in three different categories for the ABE Case Portfolio. Mock Oral examinations are also given multiple times in both first and second years to prepare the residents for that portion of the ABE Exam.

The curriculum also includes military subjects that enable dental officers to undertake contingency roles and to perfect their skills in military leadership and personnel management.

### **FIRST-YEAR PROGRAM**

The first-year program consists of a full calendar year of study. The program provides a formal schedule, with time allotted for research and clinical practice. The courses in the biological sciences are designed to update the resident's knowledge in these areas and to correlate this subject matter with clinical practice. A significant amount of time is spent in literature and clinical seminars on endodontics. In the seminar format, scientific knowledge, the latest research developments, and clinical concepts such as diagnosis, treatment modalities, treatment options, and patient management are correlated. During the year, the resident devotes attention to developing clinical proficiency and undertakes a research project in the field of Endodontics.

## First-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NCCC 701 Applied Dental Psychology	8
NCCC 704 Ethics	7
NCCC 706 Forensic Dentistry	14
NEND 703 Laboratory, Endodontic Technique	59
NEND 708 Laboratory, Pulp Morphology	10
NEND 702 Laboratory, Surgical Anatomy	28
NCCC 707 Management of Medical Emergencies	2
NCCC 709 Maxillofacial Prosthetics (hours 23-25)	3
NCCC 710 Naval Operational Management	8
NCCC 711 Nitrous Oxide	6
NEND 709 Operative Dentistry (hours 1-13, 16-18, 29, 30)	14
NCCC 713 Oral and Maxillofacial Pathology & Radiology Part I	30
NEND 710 Oral and Maxillofacial Surgery (hours 1, 2, 6-9)	6
NCCC 715 Orofacial Pain	24
NEND 711 Pediatric Dentistry (hours 1-4)	4
NCCC 718 Periodontics	24
NCCC 719 Pharmacotherapeutics in Clinical Dentistry	16
NCCC 720 Research Methods I	10
NCCC 721 Research Project	120
NEND 712 Restorative Implantology (hours 1-11, 32, 33)	8
NEND 705 Seminar, Classical Endodontics Literature	124
NEND 704 Seminar, Clinical Endodontics/Presurgical Conference	110
NEND 707 Seminar, Current Endodontics Literature	52
NEND 706 Seminar, Endodontics Related Specialties	5
NEND 701 Specialty Clinic, Endodontics	734
NCCC 725 Systemic Disease in Clinical Dentistry	17
Endodontic Program Critiques	8
Feedback Sessions	3
Orientation, GMT, PRT, etc.	112
Total hours	1575

## SECOND-YEAR PROGRAM

The second-year program consists of a second full calendar year of study and provides continued training in clinical practice, seminars, teaching, and research. The clinical program includes a diversity of clinical experiences, with emphasis on the treatment of challenging and unusual cases. Applications of recent developments and innovations in clinical endodontics are also emphasized. The program includes rotations through several services of the Walter Reed National Military Medical Center Bethesda.

In addition to clinical practice, the program at the Naval Postgraduate Dental School places emphasis on the development of teaching and research capabilities. The resident participates in the teaching program in endodontics and devotes a considerable amount of time to an original research project. The resident continues to participate in the literature and clinical seminars on endodontics and, in addition,

participates in clinical oral medicine and oral and maxillofacial pathology seminars. The resident is encouraged to attend short courses, conferences, and lectures on endodontics and related subjects.

## **Second-Year Curriculum**

<b>Course</b>	<b>Contact Hours</b>
NCCC 801 Dental Administration Management	9
NEND 802 Laboratory, Surgical Anatomy	28
NCCC 820 Research Methods II	5
NCCC 821 Research Project	150
NEND 803 Rotation through WRNMMC, Bethesda	28
NEND 804 Seminar, Clinical Endodontics/Presurgical Conference	109
NEND 807 Seminar, Current Endodontics Literature	52
NEND 805 Seminar, Endodontics Classical Literature	124
NEND 806 Seminar, Endodontics/Related Specialties	13
NEND 809 Seminar, Endodontic Surgical Oral Pathology	10
NEND 801 Specialty Clinic, Endodontics	938
NEND 808 Teaching, Endodontics	21
Endodontic Program Critique	8
Feedback Session	1
Orientation, GMT, PRT, BLS, etc.	79
 Total hours	 1575

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## **RESIDENCY PROGRAM IN MAXILLOFACIAL PROSTHODONTICS**

Program Director: CDR Samuel I. Richards

Advanced training in prosthodontics consists of 4 years of formal study in an integrated program. The 4 years of training fulfill the requirements for examination and certification by the American Board of Prosthodontics and provides formal training in maxillofacial prosthetics.

The curriculum also includes military subjects that enable dental officers to undertake contingency roles and to improve their skills in military leadership and personnel management.

### **FIRST-YEAR PROGRAM**

In the first-year, residents are introduced to the specialty of prosthodontics, its scope, and history. They receive in-depth instruction in diagnostic, clinical, and laboratory aspects of implant prosthodontics, fixed prosthodontics, removable (complete and partial) dentures, maxillofacial prosthetics, digital technologies, and geriatric prosthodontics. Residents are required to know and use all materials and techniques in patient treatment and perform all phases of laboratory work related to their patients' care.

Residents participate in literature and treatment planning seminars on specific prosthodontic topics and on their relationship to the other dental specialties. Each resident must conduct a research study in the field of prosthodontics. All patients are assigned during the first year.

## First-Year Curriculum

Course	Contact Hours
NPRO 711 Advanced Complete Dentures	51
NPRO 712 Advanced Fixed Prosthodontics	83
NPRO 713 Advanced Removable Partial Dentures	41
NCCC 701 Applied Dental Psychology	8
NPRO 701 Clinic and Laboratory Assignments, Prosthodontics	564
NPRO 708 Complete Dentures	35
NCCC 702 Digital Dentistry	21
NCCC 703 Endodontics (Hrs. 12, 15, 20, 21, 28)	5
NCCC 704 Ethics	7
NCCC 705 Fixed Prosthodontics	30
NCCC 706 Forensic Dentistry	14
NCCC 707 Management of Dental and Medical Emergencies	2
NCCC 710 Naval Operational Management	8
NCCC 711 Nitrous Oxide	6
NPRO 714 Occlusion (Prosthodontics)	56
NCCC 712 Operative Dentistry	32
NCCC 713 Oral and Maxillofacial Pathology & Radiology Part I	30
NCCC 714 Oral Surgery	12
NPRO 715 Orofacial Pain (Hrs. 1-7, 10, 12-19, 23-25)	19
NCCC 716 Orthodontics	15
NCCC 718 Periodontics	24
NCCC 719 Pharmacotherapeutics in Clinical Dentistry	16
NPRO 702 Prosthodontics Conference, Guest Seminar	40
NPRO 707 Prosthodontic Oral Board I	3
NPRO 710 Removable Partial Dentures	26
NCCC 720 Research Methods I	10
NCCC 721 Research Project	120
NCCC 722 Restorative Implantology	26
NPRO 709 Seminar, Prosthodontics/Endodontics	3
NPRO 703 Seminar, Prosthodontics Literature	24
NCCC 717 Seminar, Prosthodontics/Orthodontics	4
NPRO 705 Seminar, Treatment Planning	40
NCCC 723 Special Topics in Osseointegration	20
NCCC 724 Surgical Implantology	25
NCCC 725 Systemic Disease in Clinical Dentistry	17
Feedback Sessions	4
Orientation, GMT, PRT, BLS, etc.	134
Total hours	1575

## SECOND-YEAR PROGRAM

The second-year is a continuation of the first, with increased emphasis on clinical treatment of patients and advanced prosthodontic concepts. Residents are involved in teaching via patient treatment presentations and moderating seminars. Assigned patient treatment plans are finalized by the end of the second-year.

### Second-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NPRO 801 Advanced Clinic and Laboratory, Prosthodontics	1286
NCCC 801 Dental Administration Management	10
NPRO 809 Dental Implantology, Patient Presentations	9
NPRO 811 Maxillofacial Prosthetics	25
NPRO 812 Nutrition	6
NPRO 802 Prosthodontics Conference, Guest Seminararians	40
NPRO 807 Prosthodontics Oral Boards II	6
NPRO 803 Seminar, Prosthodontic Literature	24
NCCC 817 Seminar, Prosthodontics/Orthodontics	6
NPRO 805 Seminar, Treatment Planning	40
NCCC 823 Special Topics in Osseointegration	20
NPRO 810 Speech Pathology	3
NPRO 808 Teaching, Prosthodontics	10
Feedback Session	1
GMT, PRT, etc.	95
Total hours	1575

## THIRD-YEAR PROGRAM

The primary focus of the third-year is increased complexity and intensity of clinical prosthodontics. Specific enhancement of diagnostic and treatment skills in implant prosthodontics, geriatric prosthodontics, maxillofacial prosthetics, and practice management are emphasized. Additional teaching experience is gained by serving as mentors during the Prosthodontics continuing education course and directing select seminars for the Comprehensive Dentistry Department. Prosthodontics research projects, if deemed appropriate, are submitted for competition and/or publication in refereed journals. Table clinics developed over the residency period will be presented. Third-year residents are encouraged to concentrate their endeavors on specific topics of interest, and work more independently. Advanced implant patients and techniques are emphasized. Assigned patient treatments are completed by the end of the third-year.

### Third-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NPRO 901 Advanced Clinic, Prosthodontics	1251
NPRO 910 Cleft Palate Conferences, Diagnosis and Treatment Planning	3
NPRO 909 Dental Implantology, Patient Presentations	9

NPRO 902 Prosthodontics Conference, Guest Seminar	40
NPRO 907 Prosthodontic Oral Boards III	3
NCCC 820 Research Methods II	5
NCCC 821 Research Project	150
NCCC 813 Oral and Maxillofacial Pathology & Radiology Part II	10
NCCC 802 Seminar, Oral Medicine	10
NPRO 903 Seminar, Prosthodontic Literature	24
NPRO 905 Seminar, Treatment Planning	40
NCCC 923 Special Topics in Osseointegration	20
NPRO 908 Teaching, Prosthodontics	10
GMT, PRT, BLS, etc.	99
<b>Total hours</b>	<b>1575</b>

#### **FOURTH-YEAR PROGRAM**

The primary focus of the fourth year is to train the aspiring maxillofacial prosthodontist in the rehabilitation of patients with congenital or acquired head and neck defects. Resultant disabilities may range from minor cosmetic discrepancies to major functional compromises. Residents will be exposed to a new arena of psychodynamic interactions requiring greater management skills and greater patient sensitivity. Working relationships in the hospital environment and the team approach to rehabilitative services with the other medical specialties will be emphasized. Areas of patient treatment will include acquired defects of the mandible and maxilla, palatopharyngeal function, radiation therapy, chemotherapy, and oculofacial defects.

#### **Curriculum**

<b>Course</b>	<b>Contact Hours</b>
NMFP 905 Cleft Palate Conference	24
NMFP 906 Consultant Lectures and Seminars	42
NMFP 907 Continuing Education Courses and Observerships	105
NMFP 908 Head and Neck Surgery Observership	280
NMFP 909 Head and Neck Tumor Board	40
NMFP 901 Maxillofacial Clinical Prosthetics	**608
NMFP 902 Maxillofacial Prosthetics	25
NMFP 913 Maxillofacial Prosthetics Laboratory Procedures	200
NCCC 821 Research Project	100
NMFP 911 Seminar, Maxillofacial Prosthetics Literature	50
NMFP 910 Seminar, Patient Presentation (Maxillofacial Prosthetics)	3
NMFP 903 Special Topics in Osseointegration	20
NMFP 904 Speech Pathology	3
NMFP 912 Teaching, Maxillofacial Prosthetics	20
Orientation, GMT, PRT, etc.	55
<b>Total hours</b>	<b>1575</b>

\*\*Course hours will vary depending on availability and type of patients.

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## RESIDENCY PROGRAM IN ORAL AND MAXILLOFACIAL PATHOLOGY

Program Director: LCDR Quinn C. Robbins

Oral and Maxillofacial Pathology is the specialty of dentistry and pathology that deals with the nature, identification, and management of diseases affecting the oral and maxillofacial regions. It is a science that investigates the causes, processes and effects of these diseases. The practice of Oral and Maxillofacial Pathology includes research, diagnosis of diseases using clinical, radiographic, microscopic, biochemical or other examinations, and management of patients.

Accredited by the American Dental Association Council on Dental Education, the Department of Oral & Maxillofacial Pathology offers a 36-month residency certificate program in Oral and Maxillofacial Pathology. Successful completion of the program will lead to a certificate in Oral and Maxillofacial Pathology, a Master of Science degree in Oral Biology from the Uniformed Services University of the Health Sciences and will qualify the graduate to sit for the specialty board examination administered by the American Board of Oral & Maxillofacial Pathology.

Training consists of didactic, clinical and laboratory coursework with coordinated rotations at the Naval Postgraduate Dental School, the Uniformed Services University of the Health Sciences, Walter Reed National Military Medical Center and the Joint Pathology Center. The program is designed to prepare the resident to practice surgical and clinical Oral and Maxillofacial Pathology within the military medical network. The curriculum also includes military subjects that enable dental officers to undertake contingency roles and to perfect their skills in military leadership and personnel management.

Emphasis is placed on microscopic and clinical diagnoses as well as the proper management of head and neck disease. A research project in the field of Oral and Maxillofacial Pathology is required, with subsequent presentation of the research or scientific abstract at the annual meeting of the American Academy of Oral and Maxillofacial Pathology encouraged. An additional project suitable for publication will also be assigned while at the JPC. The program is designed to allow some flexibility for the resident to concentrate on a particular area of oral and maxillofacial pathology.

During the residency, it is also expected that the resident will challenge the examination process leading to Fellowship status within the American Academy of Oral and Maxillofacial Pathology.

Specific goals include but are not limited to:

1. Apply and understand the gross preparation of complex surgical specimens.
2. Understand and correlate the gross and microscopic characteristics of biopsy specimens in addition to arriving at a diagnosis.
3. Formulation of accurate and descriptive gross and microscopic reports.
4. Procedures involved in directing an oral pathology biopsy service.
5. Formulation of lecture skills in order to teach oral pathology to a wide range of medical and dental professionals.
6. To present microscopic and clinical correlation of specimens at hospital tumor boards.
7. To prepare a manuscript for peer reviewed publication.
8. To diagnose and treat oral mucosal diseases and to recognize and provide treatment options for oral manifestations of systemic diseases.

## FIRST-YEAR PROGRAM

The first-year of the residency program is conducted at the Naval Postgraduate Dental School (NPDS) and the Uniformed Services University of the Health Sciences. It includes training in the biological sciences, particularly as it relates to the morphologic and clinical study of diseases affecting all organ systems of the body with special emphasis on the head and neck regions. Didactic courses in both oral and general pathology are a major focus of the first year along with introduction to surgical microscopy and daily case unknowns. Training in the clinical phases of oral and maxillofacial pathology is obtained through attendance at clinicopathologic conferences otorhinolaryngic tumor boards, along with selected clinical rotations. A table clinic to be presented at the Tri-Service dental meeting is optional. Identification of a research topic and preparation of the initial abstract and research plan is expected during this year.

### First-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NOMP 701 Advanced Oral and Maxillofacial Pathology I	230
NOMP 702 Advanced Oral and Maxillofacial Pathology II	230
NCCC 701 Applied Dental Psychology	8
NCCC 704 Ethics	7
NCCC 706 Forensic Dentistry	14
NOMP 706 General Pathology	204
NOMP 703 Independent Study in Special Topics	484
NOMP 708 Intro. To Basic Histopathology Techniques, Special Procedures, & Lab Mgmt	12
NCCC 707 Management of Medical Emergencies	2
NCCC 708 Maxillofacial Prosthetics (hours 14, 23-25)	4
NCCC 710 Naval Operational Management	8
NCCC 713 Oral and Maxillofacial Pathology & Radiology Part I	30
NOMP 704 Oral Medicine/Clinical Oral Diagnosis	20
NCCC 719 Pharmacotherapeutics in Clinical Dentistry	16
NCCC 720 Research Methods I	10
NCCC 721 Research Project	120
NOMP 709 Seminar, Advanced Surgical Oral and Maxillofacial Pathology	24
NOMP 707 Seminar, Special Clinical Oral and Maxillofacial Pathology Topics	24
NOMP 705 Seminar, Special Pathology	24
NCCC 725 Systemic Disease in Clinical Dentistry	17
Feedback Sessions	4
Orientation, GMT, PRT, etc.	75
Total hours	1575



## SECOND-YEAR PROGRAM

The second year curriculum is comprised of assigned rotations in general pathology at the Walter Reed National Military Medical Center, Bethesda, Maryland. Residents will participate in the gross and microscopic examination of surgical specimens, and obtain experience in clinical pathology, hematopathology, cytopathology, and dermatopathology and soft tissue pathology. The resident will also obtain experience with autopsy techniques and will complete or retrospectively review a minimum of 10 autopsy cases. The residents will actively participate in the continuing education program offered by the medical pathology staff and are encouraged to present head and neck seminar cases during their year-long rotation.

### Second-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NOMP 801 General Pathology Rotations	1575
Total hours	1575

## THIRD-YEAR PROGRAM

The third-year curriculum consists of assignment to the Joint Pathology Center, Silver Spring, MD. The JPC acts as a consultation center for pathologists throughout the DoD and VA. Therefore, this year of training provides the opportunity to study the most unusual and interesting disease processes that occur in, but are not limited to, the head and neck. Normally, an opportunity to conduct a retrospective study on one or more of these diseases, leading to a scientific publication, is provided and highly encouraged.

During the third year of study, the resident will help support the continuing education mission of the JPC, NPDS, and other military commands through seminar presentations. Support for the forensic mission of the Office of the Armed Forces Medical Examiner will also be provided by the OMFP residents during mass disaster operations on an as needed basis. Challenging the Fellowship examination, which is sanctioned by the American Academy of Oral and Maxillofacial Pathology, rounds out this final year.

The following courses are taken at the Naval Postgraduate Dental School in the third year:

### Third-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NCCC 801 Dental Administration Management	9
NOMP 903 Independent Study in Special Topics	703
NOMP 901 Joint Pathology Center Rotation	698
NCCC 820 Research Methods II	5
NCCC 821 Research Project	150
NCCC 802 Seminar, Oral Medicine	10
Total Hours	1575

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## RESIDENCY PROGRAM IN OROFACIAL PAIN

Program Director: CDR Preston M. Criddle

Orofacial pain is the discipline involving the differential diagnosis and management of pain and dysfunction of the trigeminal nerve system. More specifically, orofacial pain practitioners evaluate and treat pain and dysfunction involving the masticatory system and associated structures throughout the face, head, neck and shoulders that transmit sensory information into the brain via the trigeminal nuclei.

The orofacial pain residency has two training tracks. The 36-month track is available to any dental officer. The 24-month track is only available to dental officers who have previously completed a dental residency of at least two years in length. Both tracks cover an extensive body of basic medical sciences as related to the study of pain. Because of the inherent diversity of orofacial pain conditions, the residencies incorporate clinically relevant information from a wide array of other dental and medical disciplines. The residency curriculums also include courses that enhance a dental officer's abilities regarding contingency roles, military leadership and personnel management. Successful completion of either residency track qualifies the resident to challenge the certification examination by the American Board of Orofacial Pain.

### 36-MONTH RESIDENCY TRACK

#### FIRST-YEAR PROGRAM

The goal of the first-year program is to expose residents to the foundational knowledge and skills that will enable them to participate in a multi-disciplinary pain practice. The first-year program places a concentrated emphasis on acquiring the basic medical science information necessary to develop the theoretical constructs required for clinical practice. Residents are exposed to a broad range of topics through classroom lectures, seminars and guest lectures. All residents are required to participate in NPDS research related activities.

#### First-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NCCC 701 Applied Dental Psychology	8
NOFP 702 Current Pain Literature Seminar I	40
NCCC 704 Ethics	7
NCCC 706 Forensic Dentistry	14
NCCC 707 Management of Medical Emergencies	2
NCCC 710 Naval Operational Management	8
NCCC 713 Oral and Maxillofacial Pathology & Radiology Part I	30
NCCC 715 Orofacial Pain	24
NOFP 703 Orofacial Pain Concepts Seminar I	105
NOFP 704 Orofacial Pain Grand Rounds	40
NCCC 719 Pharmacotherapeutics in Clinical Dentistry	16
NCCC 720 Research Methods I	10
NCCC 721 Research Project	130

NOFP 701 Specialty Clinic, Orofacial Pain	990
NCCC 725 Systemic Disease in Clinical Dentistry	17
Feedback Sessions	4
Orientation, GMT, PRT, etc.	130
<b>Total hours</b>	<b>1575</b>

## **SECOND-YEAR PROGRAM**

The goal of the second-year program is to develop competency of the resident's multi-disciplinary diagnostic and pain management skills. Pertinent neuroscience, physiology, pharmacology and psychology topics are reinforced via seminars and grand rounds. Approximately 55 percent of the second year will be devoted to clinical activities in the Orofacial Pain Center and specialty rotations.

### **Second-Year Curriculum**

<b>Course</b>	<b>Contact Hours</b>
NCCC 802 Seminar, Oral Medicine	10
NOFP 802 Seminar, Current Pain Literature II	40
NOFP 803 Seminar, Orofacial Pain Concepts II	105
NOFP 804 Seminar, Orofacial Pain Grand Rounds II	40
NOFP 801 Specialty Clinic, Orofacial Pain	1285
GMT, PRT, etc.	95
<b>Total hours</b>	<b>1575</b>

## **THIRD-YEAR PROGRAM**

The goal of the third-year program is to refine the competency of the resident's multi-disciplinary diagnostic and pain management skills and to introduce proficiency in clinical practice. The resident will be assigned responsibilities in seminar preparation and teaching. Residents will rotate through designated medical and surgical services at the Walter Reed National Military Medical Center Bethesda. Each resident will be required to present a research project and submit a thesis manuscript prior to graduation. Approximately 65 percent of the third year will be devoted to clinical activities in the Orofacial Pain Center and specialty rotations.

### **Third-Year Curriculum**

<b>Course</b>	<b>Contact Hours</b>
NCCC 813 Oral and Maxillofacial Pathology & Radiology Part II	10
NCCC 801 Dental Administration Management	9
NCCC 711 Nitrous Oxide	6
NOFP 905 Orofacial Pain Specialty Rotations	80
NCCC 820 Research Methods II	5
NOFP 906 Research Project	217
NOFP 902 Seminar, Current Pain Literature III	40

NOFP 903 Seminar, Orofacial Pain Concepts III	105
NOFP 904 Seminar, Orofacial Pain Grand Rounds III	40
NOFP 901 Specialty Clinic, Orofacial Pain	964
GMT, PRT, BLS, etc.	99
<b>Total hours</b>	<b>1575</b>

## **24-MONTH RESIDENCY TRACK**

### **FIRST-YEAR PROGRAM**

The goal of the first-year program is to expose residents to the foundational knowledge and skills that will enable them to participate in a multi-disciplinary pain practice. The first year program places a concentrated emphasis on acquiring the basic medical science information necessary to develop the theoretical constructs required for clinical practice. Residents are exposed to a broad range of topics through classroom lectures, seminars and guest lectures. Fifty percent of the first year is devoted to clinical activities in the Orofacial Pain Center. At the discretion of the NPDS Research Department, residents in the 24 month track may be granted advanced standing based upon written documentation of a prior research project. Residents granted advanced standing must still investigate and prepare a topical manuscript to fulfill the program's research requirement.

### **First-Year Curriculum**

<b>Course</b>	<b>Contact Hours</b>
NCCC 701 Applied Dental Psychology	8
NOFP 702 Current Pain Literature Seminar I	40
NCCC 704 Ethics	7
*NCCC 706 Forensic Dentistry	14
NCCC 707 Management of Medical Emergencies	2
NCCC 713 Oral and Maxillofacial Pathology & Radiology Part I	30
NCCC 715 Orofacial Pain	24
NOFP 703 Orofacial Pain Concepts Seminar I	105
NOFP 704 Orofacial Pain Grand Rounds	40
NCCC 719 Pharmacotherapeutics in Clinical Dentistry	16
*NCCC 720 Research Methods I (Advanced standing)	10
*NCCC 721 Research Project (Advanced standing)	120
**NOFP 705 Specialty Clinic, Orofacial Pain (24 month track)	1004
*NCCC 725 Systemic Disease in Clinical Dentistry	17
Feedback Sessions	4
Orientation, GMT, PRT, etc.	130
<b>Total hours</b>	<b>1575</b>

## SECOND-YEAR PROGRAM

The goal of the second-year program is to develop competency and proficiency in the resident's multi-disciplinary diagnostic and pain management skills. Pertinent neuroscience, physiology, pharmacology and psychology topics are reinforced via seminars and guest lecturers. During the second year, residents will rotate through designated medical and surgical services at the Walter Reed National Military Medical Center Bethesda. Approximately 65 percent of the second year will be devoted to clinical activities in the Orofacial Pain Center and specialty rotations.

### Second-Year Curriculum

Course	Contact Hours
*NCCC 711 Nitrous Oxide	7
NOFP 905 Orofacial Pain Specialty Rotations II	80
*NCCC 820 Research Methods II	5
*NCCC 821 Research Project	150
NOFP 802 Seminar, Current Pain Literature II	40
*NCCC 802 Seminar, Oral Medicine	10
NOFP 803 Seminar, Orofacial Pain Concepts II	105
NOFP 804 Seminar, Orofacial Pain Grand Rounds II	40
**NOFP 805 Specialty Clinic, Orofacial Pain (24 month track)	1039
GMT, PRT, BLS, etc.	99
Total hours	1575

\* These courses maybe credited based on Resident's previous residency experience

\*\* The hours for Specialty Clinic will vary depending on advance standing credits allowed.

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## RESIDENCY PROGRAM IN PERIODONTICS

Program Director: CDR Yasir Bahrani

The residency program in periodontics provides 36 months of formal training leading to certification in periodontics within the guidelines established by the Commission on Dental Accreditation. Upon completion of the residency program, the recently trained periodontist will be a clinician familiar with and competent in theoretical and practical knowledge and technical skills pertinent to the specialty. Successful completion of the program enables the resident to challenge the American Board of Periodontology after graduation. The curriculum also includes military subjects that enable dental officers to undertake contingency roles and to perfect their skills in military leadership and personnel management.

## FIRST-YEAR PROGRAM

The first-year program provides a biologic rationale for practice, emphasizing basic science principles, medical and paramedical subjects, and related dental sciences. The resident gains clinical experience in select phases of periodontics, presents patient case reports, and documents and presents patient cases following the historical requirements and format as set forth by the American Board of

Periodontology. The resident participates in a didactic and practical course in moderate sedation and analgesia.

Literature is the backbone of periodontics and supplies foundational knowledge for evidence-based clinical decision-making. The resident will participate in weekly current and/or classic literature seminars, ultimately covering a comprehensive database of periodontal literature by the year's end. In addition to literature seminars, the resident will attend weekly case-based learning sessions led by senior residents. In order to prepare for the national periodontal in-service examination, the resident will also attend a weekly periodontal basic sciences review concentrating on topics relevant to the pathophysiology of periodontitis, in addition to basic science courses listed in the curriculum.

A research project is designed and executed by the resident. At the conclusion of the residency, the resident will present his or her research at the NPDS Research Symposium and prepare a thesis and possibly a manuscript suitable for publication. Also, the resident will publish a Clinical Update that will be distributed to the Navy Dental Corps. The resident may also submit an article for publication to a peer-reviewed journal. The framework for such research efforts is built during the first year of residency.

### **First-Year Curriculum**

<b>Course</b>	<b>Contact Hours</b>
NCCC 701 Applied Dental Psychology	8
NCCC 703 Endodontics (hours 11, 12)	2
NCCC 704 Ethics	7
NCCC 706 Forensic Dentistry	14
NPER 709 Management of Medical Emergencies (hour 1)	1
NCCC 708 Maxillofacial Prosthetics (hours 14, 23-25)	3
NPER 708 Moderate Sedation and Analgesia	35
NCCC 710 Naval Operational Management	8
NCCC 711 Nitrous Oxide	6
NPER 706 Oral & Mock Board Examinations	5
NCCC 713 Oral and Maxillofacial Pathology & Radiology Part I	30
NCCC 714 Oral and Maxillofacial Surgery	12
NPER 710 Orofacial Pain (hours 22-25)	4
NCCC 716 Orthodontics	15
NPER 711 Pediatric Dentistry (hours 1,2)	2
NPER 702 Perio Basic Sciences Seminars	8
NPER 703 Periodontal Literature Review	135
NCCC 718 Periodontics	24
NCCC 720 Research Methods I	10
NPER 707 Research Project	88
NCCC 722 Restorative Implantology	38
NCCC 723 Special Topics in Osseointegration	20
NPER 701 Specialty Clinic	864
NCCC 724 Surgical Implantology	25
NPER 705 Teaching Periodontology	2
NPER 704 Topics In Periodontal and Implant Therapy Seminars	164
Feedback Sessions	3

Orientation	12
Military Training (GMT, PRT, BLS, ACLS, etc.)	30
Total hours	1575

## **SECOND-YEAR PROGRAM**

The second-year program emphasizes the clinical practice of periodontics, encompassing a comprehensive volume of case-types that may be encountered in clinical periodontal practice. Additional experience in periodontal histopathology, clinical oral and maxillofacial pathology, case presentations, teaching, and continued immersion in clinical sciences will provide further preparation for clinical practice. The practical and didactic basis for moderate sedation and analgesia is emphasized and reinforced during a 3-month rotation in the Anesthesia Department of the Walter Reed National Military Medical Center in order to support training to competency in moderate sedation, oral anxiolysis and inhalational anxiolysis.

### **Second-Year Curriculum**

<b>Course</b>	<b>Contact Hours</b>
NCCC 813 Oral and Maxillofacial Pathology & Radiology Part II	10
NPER 808 Moderate Sedation and Analgesia (includes Anesthesia rotation)	384
NPER 806 Oral & Mock Board Examinations	5
NPER 802 Perio Basic Sciences Seminars	8
NPER 807 Research Project	60
NCCC 823 Special Topics in Osseointegration	20
NPER 801 Specialty Clinic	873
NPER 809 Surgical Oral Pathology	10
NPER 805 Teaching Periodontology	10
NPER 804 Topics In Periodontal and Implant Therapy Seminars	164
Feedback Sessions	1
Military Training (GMT, PRT, BLS, ACLS, etc.)	30
Total hours	1575

## **THIRD-YEAR PROGRAM**

The resident will experience continued immersion in clinical periodontology with increased complexity of procedures in the third year. While clinical experience is the primary focus of the third year, the resident will finalize all research requirements and dedicate more time to teaching, mentorship and preparation for written and oral board exams administered by the American Board of Periodontology upon graduation.

## Third-Year Curriculum

Course	Contact Hours
NCCC 801 Dental Administration Management	9
NPER 908 Moderate Sedation and Analgesia	10
NPER 906 Oral & Mock Board Examinations	5
NPER 902 Perio Basic Sciences Seminars	8
NCCC 820 Research Methods II	5
NPER 907 Research Project	80
NCCC 923 Special Topics in Osseointegration	20
NPER 901 Specialty Clinic (includes Annapolis rotation)	1201
NPER 909 Surgical Oral Pathology	10
NPER 905 Teaching Periodontology	30
NPER 904 Topics In Periodontal and Implant Therapy Seminars	164
Feedback Sessions	3
Military Training (GMT, PRT, BLS, ACLS, etc.)	30
Total hours	1575

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## RESIDENCY PROGRAM IN PROSTHODONTICS

Program Director: CDR Stacy Yu

Prosthodontics training consists of 3 years of formal study in an integrated program. Training goals of the Prosthodontics residency program are to provide a broad spectrum of progressive clinical, laboratory and didactic training in the diagnosis, treatment planning, rehabilitation and maintenance of the oral function, comfort, appearance and health of patients with clinical conditions associated with missing or deficient teeth and/or oral and maxillofacial tissues using biocompatible substitutes. Additional areas of emphasis include Maxillofacial Prosthetics, Temporomandibular Disorders, and an understanding of the interrelationships of other medical/dental specialties.

Candidates in prosthodontics who wish to further pursue maxillofacial prosthetics training may apply for a fourth-year (fellowship). The curriculum also includes military topics, enabling dental officers to undertake contingency roles and improve their skills in military leadership and personnel management

## FIRST-YEAR PROGRAM

In the first-year, residents are introduced to the specialty of prosthodontics, its scope, and history. They receive in-depth instruction in diagnostic, clinical, and laboratory aspects of implant prosthodontics, fixed prosthodontics, removable (complete and partial) dentures, maxillofacial prosthetics, digital technologies, and geriatric prosthodontics. Residents are required to know and use all materials and techniques in patient treatment, and perform all phases of laboratory work related to their patients' care.

Residents participate in literature and treatment planning seminars on specific prosthodontic topics and on their relationship to the other dental specialties. Each resident must conduct a research study



in the field of prosthodontics. All patients are assigned during the first year.

### First-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NPRO 711 Advanced Complete Dentures	51
NPRO 712 Advanced Fixed Prosthodontics	78
NPRO 713 Advanced Removable Partial Dentures	41
NCCC 701 Applied Dental Psychology	8
NPRO 701 Clinic and Laboratory Assignments, Prosthodontics	564
NPRO 708 Complete Dentures	37
NCCC 702 Digital Dentistry	21
NCCC 703 Endodontics (Hrs. 12, 15, 20, 21, 28)	5
NCCC 704 Ethics	7
NCCC 705 Fixed Prosthodontics	30
NCCC 706 Forensic Dentistry	14
NCCC 707 Management of Dental and Medical Emergencies	2
NCCC 710 Naval Operational Management	8
NCCC 711 Nitrous Oxide	6
NPRO 714 Occlusion (Prosthodontics)	60
NCCC 712 Operative Dentistry	32
NCCC 713 Oral and Maxillofacial Pathology & Radiology Part I	30
NCCC 714 Oral Surgery	12
NPRO 715 Orofacial Pain (Hrs. 1-7, 10, 12-19, 23-25)	19
NCCC 716 Orthodontics	15
NCCC 718 Periodontics	24
NCCC 719 Pharmacotherapeutics in Clinical Dentistry	16
NPRO 702 Prosthodontics Conference, Guest Seminararians	40
NPRO 707 Prosthodontic Oral Board I	3
NPRO 710 Removable Partial Dentures	18
NCCC 720 Research Methods I	10
NCCC 721 Research Project	120
NCCC 722 Restorative Implantology	26
NPRO 709 Seminar, Prosthodontics/Endodontics	3
NPRO 703 Seminar, Prosthodontics Literature	24
NCCC 717 Seminar, Prosthodontics/Orthodontics	4
NPRO 705 Seminar, Treatment Planning	40
NCCC 723 Special Topics in Osseointegration	20
NCCC 724 Surgical Implantology	25
NCCC 725 Systemic Disease in Clinical Dentistry	17
Feedback Sessions	4
Orientation, GMT, PRT, BLS, etc.	134
<b>Total hours</b>	<b>1575</b>

## SECOND-YEAR PROGRAM

The second-year is a continuation of the first, with increased emphasis on clinical treatment of patients and advanced prosthodontic concepts. Residents are involved in teaching via patient treatment presentations and moderating seminars. Assigned patient treatment plans are finalized by the end of the second-year.

### Second-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NPRO 801 Advanced Clinic and Laboratory, Prosthodontics	1286
NCCC 801 Dental Administration Management	10
NPRO 809 Dental Implantology, Patient Presentations	9
NPRO 811 Maxillofacial Prosthetics	25
NPRO 812 Nutrition	6
NPRO 802 Prosthodontics Conference, Guest Seminararians	40
NPRO 807 Prosthodontics Oral Boards II	6
NPRO 803 Seminar, Prosthodontic Literature	24
NCCC 817 Seminar, Prosthodontics/Orthodontics	6
NPRO 805 Seminar, Treatment Planning	40
NCCC 823 Special Topics in Osseointegration	20
NPRO 810 Speech Pathology	3
NPRO 808 Teaching, Prosthodontics	10
Feedback Session	1
GMT, PRT, etc.	95
Total hours	1575

## THIRD-YEAR PROGRAM

The primary focus of the third-year is increased complexity and intensity of clinical prosthodontics. Specific enhancement of diagnostic and treatment skills in implant prosthodontics, geriatric prosthodontics, maxillofacial prosthetics, and practice management are emphasized. Additional teaching experience is gained by serving as mentors during the Prosthodontics continuing education course and directing select seminars for the Comprehensive Dentistry Department. Prosthodontics research projects, if deemed appropriate, are submitted for competition and/or publication in refereed journals. Table clinics developed over the residency period will be presented. Third-year residents are encouraged to concentrate their endeavors on specific topics of interest, and work more independently. Advanced implant patients and techniques are emphasized. Assigned patient treatments are completed by the end of the third-year.

### Third-Year Curriculum

<b>Course</b>	<b>Contact Hours</b>
NPRO 901 Advanced Clinic, Prosthodontics	1251
NPRO 910 Cleft Palate Conferences, Diagnosis and Treatment Planning	3
NPRO 909 Dental Implantology, Patient Presentations	9
NPRO 902 Prosthodontics Conference, Guest Seminararians	40
NPRO 907 Prosthodontic Oral Boards III	3
NCCC 820 Research Methods II	5
NCCC 821 Research Project	150
NCCC 813 Oral and Maxillofacial Pathology & Radiology Part II	10
NCCC 802 Seminar, Oral Medicine	10
NPRO 903 Seminar, Prosthodontic Literature	24
NPRO 905 Seminar, Treatment Planning	40
NCCC 923 Special Topics in Osseointegration	20
NPRO 908 Teaching, Prosthodontics	10
GMT, PRT, BLS, etc.	99
<b>Total hours</b>	<b>1575</b>

## FELLOWSHIP PROGRAMS

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### **FELLOWSHIP IN MAXILLOFACIAL PROSTHETICS**

Program Director: CDR Samuel I. Richards

Pre-requisite: Completion of a previous postgraduate dental residency in Prosthodontics.

This program is designed to train the aspiring maxillofacial prosthodontist in the rehabilitation of patients with congenital or acquired head and neck defects. Resultant disabilities may range from minor cosmetic discrepancies to major functional compromises. Candidates will be exposed to a new arena of psychodynamic interactions requiring greater management skills and greater patient sensitivity. Working relationships in the hospital environment and the team approach to rehabilitative services with the other medical specialties will be emphasized. Areas of patient treatment will include acquired defects of the mandible and maxilla, palatopharyngeal function, radiation therapy, chemotherapy, and oculofacial defects.

#### **Curriculum**

<b>Course</b>	<b>Contact Hours</b>
NMFP 905 Cleft Palate Conference	24
NMFP 906 Consultant Lectures and Seminars	42
NMFP 907 Continuing Education Courses and Observerships	105
NMFP 908 Head and Neck Surgery Observership	280
NMFP 909 Head and Neck Tumor Board	40
NMFP 901 Maxillofacial Clinical Prosthetics	**608
NMFP 902 Maxillofacial Prosthetics	25
NMFP 913 Maxillofacial Prosthetics Laboratory Procedures	200
NCCC 821 Research Project	100
NMFP 911 Seminar, Maxillofacial Prosthetics Literature	50
NMFP 910 Seminar, Patient Presentation (Maxillofacial Prosthetics)	3
NMFP 903 Special Topics in Osseointegration	20
NMFP 904 Speech Pathology	3
NMFP 912 Teaching, Maxillofacial Prosthetics	20
Orientation, GMT, PRT, etc.	55
Total hours	1575

\*\*Course hours will vary depending on availability and type of patients.

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## COURSE DESCRIPTIONS

The course descriptions are grouped under the following headings:

- Common Core & Shared Courses
- Comprehensive Dentistry
- Endodontics
- Maxillofacial Prosthodontics
- Oral and Maxillofacial Pathology
- Orofacial Pain
- Periodontics
- Prosthodontics

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## COMMON CORE & SHARED COURSES

Faculty: Dr. Schmidt, CAPT Stokes, CDR Beck, CDR Palau-Hernandez, LCDR Seedall, LCDR Robbins, NPDS Staff, CAPT Erickson, CDR Peterson, CDR Cruet, LCDR Dickens, Dr. Kim

### **NCCC 701 Applied Dental Psychology**

Emphasis is placed on enhancing the residents' appreciation of the biopsychosocial complexities of their patients in an effort to demonstrate how these factors impact prevention, diagnosis, treatment, and rehabilitation. Empirical reports and clinical findings will be presented which highlight a variety of psychological issues which are directly related to oral health and oral healthcare delivery. Among the psychological entities discussed are: dental phobia, pain management, depression, anxiety, patient adherence, and practitioner- patient communication. In addition, seminar material will also focus on managing professional stress and burnout.

### **NCCC 702 Digital Dentistry**

An introduction to digital treatment planning using the CAD/CAM equipment commonly available at NPDS and in Navy dental clinics. Residents will be exposed to a range of applications of the CAD/CAM technology in general dentistry, operative dentistry, prosthodontics, and implants.

### **NCCC 703 Endodontics**

Classroom and laboratory instruction, as well as clinical experience, in all phases of endodontics. Emphasis on the etiology, prevention, diagnosis, and treatment of diseases and injuries that affect the pulp and the periradicular tissues.

### **NCCC 704 Ethics**

This course will address cognitive concepts regarding basic issues in dental care dilemmas. Realistic dilemmas will be selected for presentation, including the noncompliant or phobic patient, informed consent, professional integrity, quality versus quantity care compromises, and treatment of the infectious patient.

### **NCCC 705 Fixed Prosthodontics**

Lectures, demonstrations, and laboratory sessions will cover clinical and laboratory phases of fixed prosthodontics. Residents will be exposed to all phases of patient treatment in fixed prosthodontics from diagnosis and treatment planning to cementation.

### **NCCC 706 Forensic Dentistry**

This course will provide an understanding of mass disaster management and methodologies that can assist the examiner rendering dental identification. The course includes formal lectures, a radiographic comparison laboratory, and a mass casualty laboratory. These laboratories provide hands-on participation to test the student's skill in mass disaster management and identification of human remains.

### **NCCC 707 Management of Medical Emergencies**

This course covers the diagnosis and management of common medical emergencies, with special emphasis on patient evaluation and history taking to prevent such emergencies in the dental office.

### **NCCC 708 Maxillofacial Prosthetics (Oral Pathology & Periodontics)**

This course introduces Oral Pathology & Periodontics residents to maxillofacial prosthetics. The lecture/seminar material will cover embryology, management of cleft lip and palate defects, and radiation oncology.

### **NCCC 709 Maxillofacial Prosthetics (Comprehensive Dentistry & Endodontics)**

This course introduces Comprehensive Dentistry & Endodontics residents to maxillofacial prosthetics. The lecture/seminar material will cover radiation oncology.

### **NCCC 710 Naval Operational Management**

This course examines various aspects of managing a dental health care facility in the Navy Dental Corps. It includes lectures and field trips designed to familiarize the residents with Navy and Marine Corps force structure and management. Military responsibilities of the dental officer in operational billets are covered.

### **NCCC 711 Nitrous Oxide**

This course will review the didactic material associated with using nitrous oxide/oxygen inhalation sedation. Following the CODA 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 the pharmacology, indications, contraindications, and management of complications, the participants will gain hands-on experience using nitrous oxide and oxygen in the clinic. The safety of the work environment for these inhalation agents will also be addressed.

### **NCCC 712 Operative Dentistry**

This course is designed to review the art and science of operative dentistry through lectures and hands-on laboratory exercises. Disease prevention and conservation of tooth structure are the basis of our treatment philosophy. The treatment of dental caries as an infectious disease is emphasized through the discussion of state-of-the-art caries prevention and management strategies. Currently available restorative materials are detailed including rationale for selection and manipulation techniques. Treatment planning, conservative restorative methods and the restoration of structurally compromised teeth are discussed. Esthetic/cosmetic dentistry modalities, e.g., bleaching, DBAs (dental bonding agents), esthetic posterior restorations, and porcelain veneers/porcelain systems are presented. Our goal is to provide participants with tools to enhance clinical success when restoring the carious, defective, or traumatically injured dentition. This course encourages the development of sound clinical rationales when providing operative dentistry as part of an overall comprehensive treatment plan.

### **NCCC 713 Oral and Maxillofacial Pathology & Radiology Part I**

The course will present a wide spectrum of disease processes that manifest in the oral cavity and associated structures as well as a reintroduction and amplification of oral and maxillofacial radiology. Emphasis will be placed on the clinical and radiographic manifestations of each condition to expand understanding of clinical behavior, treatment modalities and prognosis of specific diseases.

#### **NCCC 714 Oral and Maxillofacial Surgery**

This course provides an overview of the specialty of Oral and Maxillofacial Surgery with emphasis on the practical approach to outpatient management. The resident is familiarized with the treatment of maxillofacial pathology, infections, maxillofacial trauma, and reconstructive and preprosthetic surgical procedures. The principles of patient evaluation and minor dentoalveolar surgery are reviewed so that the resident can incorporate these principles into sound treatment planning and clinical practice. Emphasis is placed on the treatment of normal surgical sequela and the prevention and treatment of potential complications. The treatment of maxillofacial trauma is covered including stabilization, fixation, and suturing techniques in hands-on laboratories.

#### **NCCC 715 Orofacial Pain**

This advanced course will provide residents with practical guidelines for the assessment, diagnosis, and conservative nonsurgical management of patients with orofacial pain and temporomandibular (TM) disorders. A problem-based learning format will be used with lectures, demonstrations, and clinical and laboratory exercises to provide background etiologic, diagnostic, and therapeutic information. Emphasis is placed on understanding the physiologic disturbances that characterize pain, and differentiating between pain and dysfunction caused by muscle disorders, neurophatic diagnoses, and those caused by TM joint pathology or other causes of orofacial pain. Participants will concentrate on how Physical Self-Regulation, intraoral orthotic therapy, pharmacology and psychology are integrated into a comprehensive approach to orofacial pain management. Participants will fabricate and deliver a muscle-relaxation splint and learn the techniques of Physical Self-Regulation.

#### **NCCC 716 Orthodontics**

This course is designed to enhance the resident dental officer's knowledge of development of the dentition, normal eruption, developmental problems, and fixed and removable appliance design for minor tooth movement. Didactic presentations and laboratory exercises will provide the background information that will enable the interested dental officer to diagnose and treat both interceptive and limited minor tooth movement cases, including root extrusion, molar uprighting, and pre-restorative esthetic considerations. A wide variety of clinical cases are assigned for diagnosis and treatment over the course of each resident's program.

#### **NCCC 717 Orthodontics Seminar I**

Topics in orthodontics, which focus on concepts and mechanics of minor tooth movement, are covered in lectures and literature review seminars.

#### **NCCC 718 Periodontics**

Lectures, laboratory exercises, and case presentations covering principles of diagnosis, prognosis, and treatment of periodontal disease. This course will enable the resident to diagnose and treat patients with periodontal disease and help prevent disease according to current concepts of scientific principles and knowledge concerning etiology, pathogenesis, patient management, prevention, and systemic implications

#### **NCCC 719 Pharmacotherapeutics in Clinical Dentistry**

Lectures and clinic pathological conferences designed to present the pharmacokinetics and pharmacodynamics of major drug groups, with particular reference to clinical dentistry. Topics of discussion will include (1) pharmacokinetics (absorption, distribution, biotransformation, and excretion) of drugs, (2) sedative and hypnotic agents, (3) minor tranquilizers and centrally acting muscle relaxants, (4) peripherally and centrally-acting analgesics, (5) local anesthetics, (6) antimicrobials, and (7) therapeutic agents recommended for management of common oral diseases. Further emphasis will be placed on the potential interaction of drugs with medications prescribed by other health professionals. Participants will be prepared to prescribe for maximum benefit and to recognize the clinical ramifications of concomitant drug therapy.

### **NCCC 720 Research Methods I**

This course will provide residents with a historical background and cover rules governing human subjects research. It will review concepts of evidence-based dentistry. It will provide a basic knowledge and background to review literature and guide residents in designing, preparing and submitting a protocol for institutional review.

### **NCCC 721 Research Project**

Each resident must complete an independent research project and will select a research committee to assist them in their endeavor. After reviewing the literature, a protocol will be written and submitted for institutional review. In some instances, a review paper may be substituted.

### **NCCC 722 Restorative Implantology**

This course will introduce participants to basic diagnosis, treatment planning, and delivery of dental implants. Topics covered will include the history of dental implantology, principles of osseointegration, dental radiographic imaging techniques, implant patient selection, and surgical stent design. Surgical technique and armamentarium as well as restoration, design, and fabrication will be presented. The course will emphasize diagnosis, patient selection, surgical and prosthodontic techniques, and follow-up care required for a patient receiving implants. The course will culminate with lectures on treatment complications, hygiene, and patient presentations. The team approach to dental implantology is the most important factor in successful patient treatment. This does not imply merely division of labor but an absolute mutual understanding and respect for the requirements for all participating providers. The participants of this course are expected to learn the role and basic techniques employed by all the disciplines involved in treatment with dental implants.

### **NCCC 723 Special Topics in Osseointegration**

The course is designed for practitioners with prior surgical or restorative implant experience who desire current information on the advances in implant dentistry. The focus is primarily on the treatment of the partially edentulous patient. Specific areas to be emphasized include advanced treatment planning concepts, guided tissue regeneration, site preparation with grafting materials, and aesthetic single-tooth and multiunit restorations. Additional emphasis will be placed on follow-up care to include management of complications, routine maintenance, and emergency repairs. The course although conducted primarily through seminar format, will include patient presentations and “lessons learned” discussions. Presentations sponsored by a variety of implant manufacturers will be used to broaden the scope of the information presented.

### **NCCC 724 Surgical Implantology**

This course is an introductory course to dental implant surgery. While the foundation is based upon the most current science and evidence-based literature in dental implantology, the course content includes case-based learning and hands-on activities to promote group interaction and independent



thinking. At the conclusion of the course that culminates in a live dental implant surgery, participants should be able to manage all aspects of dental implant treatment planning from a surgical perspective. Additionally, participants will be familiar with the basic surgical armamentarium, including instruments required to execute flap surgery, place and uncover dental implants and accomplish surgical wound closure.

### **NCCC 725 Systemic Disease in Clinical Dentistry**

This course is a comprehensive presentation of the dental management of medically compromised patients. The medical and/or pharmacologic management of systemic disease is discussed, and the basis for modification of dental therapy is highlighted. The resident will acquire knowledge essential for assessing a patient's ability to undergo dental care based on the recorded medical history and the correlation of significant clinical, laboratory, and radiographic findings. Clinicopathological conferences are designed to review the normal physiology of organ systems, incidence of significant variation, and the pathophysiology of disease states of special interest to the dentist. Emphasis will be directed towards the management of the adult patient.

### **NCCC 801 Dental Administration Management**

This course is an introduction to the theory and practice of management as applied to the Navy's health care delivery system. Lectures and simulated exercises are directed toward improving the dental officer's management skill and decision-making ability to prepare the officer for increased responsibility.

### **NCCC 802 Seminar, Oral Medicine**

Seminars and clinicopathological conferences for residents in specialties other than oral medicine are designed to discuss advanced principles in the diagnosis and management of medically compromised patients. A practical, case-study approach is used to emphasize important principles of comprehensive care required in both general and specialty dental practice.

### **NCCC 813 Oral and Maxillofacial Pathology & Radiology Part II**

Monthly conference at which clinical color slides are projected. Residents are provided with pertinent clinical and laboratory data on each case as they request it in order to arrive at a diagnosis.

### **NCCC 817 Orthodontics Seminar II**

Continuation of NCCC 717

### **NCCC 820 Research Methods II**

A continuation of NCCC 720, this course will review research integrity including plagiarism with residents and introduce how to disseminate scientific information. Both courses should enhance resident's abilities to critically review the scientific literature. It will provide concepts of research data interpretation, statistical interpretation, and data presentation. Each resident will prepare and provide an oral presentation of their completed project at the annual research symposium.

### **NCCC 821 Research Project**

A continuation of NCCC 721, following study approval, the resident will execute their study. This course will assist residents in data collection and analysis of results. Each resident will prepare a written paper on their completed project and defend it in front of a research committee.

### **NCCC 823 Special Topics in Osseointegration**

The course is designed for practitioners with prior surgical or restorative implant experience who

desire current information on the advances in implant dentistry. The focus is primarily on the treatment of the partially edentulous patient. Specific areas to be emphasized include advanced treatment planning concepts, guided tissue regeneration, site preparation with grafting materials, and aesthetic single-tooth and multiunit restorations. Additional emphasis will be placed on follow-up care to include management of complications, routine maintenance, and emergency repairs. The course although conducted primarily through seminar format, will include patient presentations and “lessons learned” discussions. Presentations sponsored by a variety of implant manufacturers will be used to broaden the scope of the information presented.

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## **COMPREHENSIVE DENTISTRY**

Faculty: CAPT Huber, CDR Rosacker, CDR Rezaietirabadi, CDR Steigerwald

### **NCOM 701 Specialty Clinic, Comprehensive Dentistry**

Clinical application of all phases of dentistry as practiced in the Navy in an integrated fashion and at a high level of competence.

### **NCOM 702 Seminar of Restorative Dentistry**

This seminar consists of four one-day seminars featuring a guest mentor, live patient care, and a didactic session

### **NCOM 703 Treatment Rendered Seminar**

Residents prepare and orally present summaries of clinical treatment accomplished, highlighting significant teaching points gained during their residency training. NPDS staff members serve as mentors for these seminars. Seminars are presented in operative dentistry, orthodontics, pediatric dentistry, periodontics, and comprehensive dentistry.

### **NCOM 704 General Dentistry Sick Call Rotation**

This clinical rotation provides an opportunity for comprehensive dentistry residents to gain expertise and demonstrate competence in the following areas of general dentistry sick call: diagnosis, treatment planning, and definitive treatment for general dentistry sick call patients from the Dental Readiness clinic.

### **NCOM 705 Comprehensive Dentistry Removable Prosthodontics**

This course provides first year Comprehensive Dentistry residents with a review of diagnosis, treatment planning, and treatment pertaining to the fabrication of complete dentures, removable partial

dentures, overdentures, and immediate dentures. This course provides the fundamental information needed for residents to be familiar with the design and fabrication of removable dental prostheses that are comfortable, functionally acceptable and esthetically pleasing.

### **NCOM 706 Seminar, Diagnosis and Treatment Planning**

This seminar is directed toward demonstrating to the resident the treatment planning formats used in the Comprehensive Dentistry Residency, and to help them develop a logical and systematic approach to diagnosing and treatment planning the patient requiring multi-disciplinary comprehensive dental care. Treatment planning exercises are included to allow immediate practical application of the learned skills."

### **NCOM 707 Endodontics**

Classroom and laboratory instruction, as well as clinical experience, in all phases of endodontics. Emphasis on the etiology, prevention, diagnosis, and treatment of diseases and injuries that affect the pulp and the periradicular tissues. A non-graded rotation to the Navy Yard with a board certified endodontist will occur 3-6 times during the program to increase endodontic procedures.

### **NCOM 708 Occlusion**

Clinically oriented presentations will focus on the application of occlusal concepts, principles of articulation, determinants of mandibular movement, and occlusal assessment. Emphasis will be placed on occlusion and the periodontium. Selected course participants will review the theory and use of dental articulators, including hands-on familiarization. Indications and principles of occlusal equilibration are discussed and applied in a laboratory exercise. Occlusal assessments/evaluations are conducted on selected patients.

### **NCOM 709 Pediatric Dentistry**

This course is an introduction to the background, current principles, philosophies, and treatment strategies unique to the practice of pediatric dentistry. Emphasis will be directed towards (1) prevention of dental disease; (2) rationale and protocols for both infant and child dental examinations; (3) understanding and effectively managing the behavioral aspects of the dentist-patient-parent triad; (4) pediatric restorative dentistry; (5) implementing appropriate space maintenance therapy, including a laboratory exercise on fabrication of fixed space maintenance appliances; and (6) interceptive orthodontics from a pediatric dentistry perspective.

### **NCOM 710 Seminar, Comprehensive Dentistry**

This seminar requires the resident to integrate and apply the didactic material learned to treatment situations. Alternative teaching methods such as demonstrations of techniques by faculty and dental company representatives, lessons learned, clinical exercises, current literature review, seminars developed by the residents, and presentation of treatment plans will be used.

### **NCOM 711 Seminar, Comprehensive Dentistry ABGD Board Examination**

Two separate mock board examinations given during the first year consist of a written treatment planning exercise and an oral examination. These examinations are analogous to the American Board of General Dentistry.

### **NCOM 801 Specialty Clinic, Comprehensive Dentistry**

Continuation of NCOM 701

### **NCOM 802 Seminar of Restorative Dentistry**

Continuation of NCOM 702.

### **NCOM 803 Treatment Rendered Seminar**

Continuation of NCOM 703.

### **NCOM 804 General Dentistry Sick Call Rotation**

This clinical rotation provides an opportunity for comprehensive dentistry residents to gain expertise and demonstrate competence in the following areas of general dentistry sick call: diagnosis, treatment planning, and definitive treatment for general dentistry sick call patients from the Dental Readiness clinic.

### **NCOM 805 Pediatric Dentistry Rotation**

This clinical rotation provides an opportunity for comprehensive dentistry residents to gain expertise and demonstrate competence in the following areas of pediatric dentistry: diagnosis and treatment planning for infant and child patients; basic restorative dentistry to include amalgams, composites, stainless steel crowns, and preventive resin restorations; behavior management and patient/parent communication; pulp therapy for the primary and young permanent dentition; space maintenance; current preventive dentistry techniques; and interceptive orthodontics. The rotation includes 5 full days of directly supervised practice in the Pediatric Dentistry Clinic. During the assigned days, comprehensive exams and treatment plans are initiated and it is the resident's responsibility to follow the assigned cases to completion. The goals of the treatment cases are to give the resident a well-rounded experience in the practice of pediatric dentistry. The resident will complete 3 to 5 restorative cases and available interceptive orthodontic/space maintenance cases. Care provided through this rotation will be mentored by the Chairman of the Pediatric Dentistry Department at NPDS.

### **NCOM 806 Seminar, Occlusion**

Residents discuss assigned readings on articulators and the fundamentals of occlusion. The emphasis is on direct clinical applications, and the discussions are supplemented by clinical cases.

### **NCOM 807 Teaching, Comprehensive Dentistry**

Each resident participates in the teaching program by preparing and presenting various presentations and a table clinic.

### **NCOM 808 Seminar, Periodontics**

Residents prepare abstracts and discuss assigned articles from the periodontic literature. NPDS periodontal staff members serve as mentors for these seminars, which are chaired by the residents.

### **NCOM 809 Orofacial Pain Rotation**

The comprehensive dentistry residents rotate for 2 AM sessions for a total of 8 hours through the Orofacial Pain department under the direct supervision of an orofacial pain staff mentor. During the assigned days, comprehensive orofacial exams and treatment plans are initiated and it is the resident's responsibility to follow the assigned cases to completion. The goals of the treatment cases are to give the resident a well-rounded experience in the diagnosis and treatment of orofacial pain. The resident will complete two assigned orofacial cases. Care provided through this rotation will be mentored by the Staff of the Orofacial Pain department at NPDS.

### **NCOM 810 Seminar, Comprehensive Dentistry**

Continuation of NCOM 710

### **NCOM 811 Seminar, Comprehensive Dentistry ABGD Board Examination**

Four separate mock examinations are given during the second year consisting of a treatment planning exercise, two oral examinations, and a practice written examination (1). These examinations are analogous to the American Board of General Dentistry.

### **NCOM 812 Seminar, Comprehensive Dentistry ABGD Board Preparation**

This seminar is a review of current topics in all specialties relating to the ABGD Board Exam.

### **NCOM 813 Seminar, Orofacial Pain**

Literature seminars reviewing and discussing the etiology, diagnosis, and conservative nonsurgical management of temporomandibular disorders and orofacial pain.

### **NCOM 814 Seminar, Prosthodontics**

Residents prepare abstracts and discuss assigned articles from the prosthodontic literature. NPDS prosthodontic staff members serve as mentors for these seminars, which are chaired by the residents.

### **NCOM 815 Oral and Maxillofacial Surgery Rotation**

Between the first and second-year of the program, residents rotate for 3 weeks to Great Lakes in the Oral and Maxillofacial Surgery Department under the direct supervision of an oral and maxillofacial surgeon. During this rotation, they perform oral surgical procedures including removal of erupted and nonrestorable teeth, surgical removal of erupted and unerupted teeth, and post-operative care including complications. In addition, the resident may assist the oral and maxillofacial surgeon with biopsy of bony and soft tissue lesions, and bone graft surgery. Evaluation and treatment of the medically compromised patient is stressed.

### **NCOM 816 Seminar, Operative Dentistry**

Residents prepare abstracts and discuss articles from the operative dentistry literature. NPDS staff members serve as mentors for these seminars. The development of critical thinking is encouraged and developed through structured exercises in scientific and statistical analysis of selected articles.

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## **ENDODONTICS**

Faculty: CAPT Hinman, CDR Walker, CDR Fleming

### **NEND 701 Specialty Clinic, Endodontics**

Designed to provide extensive clinical experience on a specialty level for residents in endodontics. Emphasis is placed on the application of recent advancements and innovations in clinical endodontics as well as on the treatment of unusual and challenging cases. An introduction to endodontic surgery is initiated, with cases gradually increasing in complexity.

### **NEND 702 Laboratory, Surgical Anatomy**

A laboratory course at USU in which the residents utilizes surgical techniques and performs endodontic surgery under simulated conditions. Dental operating microscope principles, ultrasonic root end preparation techniques and current root end filling materials are emphasized.

### **NEND 703 Laboratory, Endodontic Technique**

First year resident laboratory course designed to develop proficiency in a variety of endodontic

instrumentation and obturation techniques before the resident applies them in the clinical situation.

#### **NEND 704 Seminar, Clinical Endodontics/Presurgical Conference**

Case presentations of first- and second-year residents are evaluated by the faculty. Challenging cases in diagnosis, case selection, and treatment are presented, defended, and evaluated. Special topics on endodontics and endodontically related subjects are presented, reviewed, and discussed.

#### **NEND 705 Seminar, Classical Endodontic Literature**

Seminars for review and discussion of the literature on endodontics and related subjects. Research findings as well as basic health sciences are correlated with clinical endodontics through extensive discussion.

#### **NEND 706 Seminar, Endodontics/Related Specialties**

Topics of common interest to endodontics and the specialties of oral and maxillofacial radiology and orthodontics are presented for residents, who must participate and lead discussions on the topics.

#### **NEND 707 Seminar, Current Endodontic Literature**

A seminar designed to identify trends in endodontic research and clinical practice and to develop skills in evaluating published material. Articles from current journals are read, analyzed, abstracted, and discussed.

#### **NEND 708 Laboratory, Pulp Morphology**

First year resident laboratory course designed to acquaint the resident with the many anatomical variations found in the pulp chamber and the root canal system of each type of tooth.

#### **NEND 709 Operative Dentistry**

This course is designed to review the art and science of operative dentistry through lectures and hands-on laboratory exercises.

#### **NEND 710 Oral and Maxillofacial Surgery**

This course provides an overview of the specialty of Oral and Maxillofacial Surgery with emphasis on the practical approach to outpatient management. The resident is familiarized with the treatment of maxillofacial pathology, infections, maxillofacial trauma, and reconstructive and preprosthetic surgical procedures. The principles of patient evaluation and minor dentoalveolar surgery are reviewed so that the resident can incorporate these principles into sound treatment planning and clinical practice. Emphasis is placed on the treatment of normal surgical sequela and the prevention and treatment of potential complications. The treatment of maxillofacial trauma is covered including stabilization, fixation, and suturing techniques in hands-on laboratories.

#### **NEND 711 Pediatric Dentistry**

This course is an introduction to the background, current principles, philosophies, and treatment strategies unique to the practice of pediatric dentistry. Emphasis will be directed towards (1) prevention of dental disease; (2) rationale and protocols for both infant and child dental examinations; (3) understanding and effectively managing the behavioral aspects of the dentist-patient-parent triad; (4) pediatric restorative dentistry; (5) implementing appropriate space maintenance therapy, including a laboratory exercise on fabrication of fixed space maintenance appliances; and (6) interceptive orthodontics from a pediatric dentistry perspective.

#### **NEND 712 Restorative Implantology**

This course will introduce participants to basic diagnosis, treatment planning, and delivery of dental implants. Topics covered will include the history of dental implantology, principles of osseointegration, dental radiographic imaging techniques, implant patient selection, and surgical stent design. Surgical technique and armamentarium as well as restoration, design, and fabrication will be presented. The course will emphasize diagnosis, patient selection, surgical and prosthodontic techniques, and follow-up care required for a patient receiving implants. The course will culminate with lectures on treatment complications, hygiene, and patient presentations. The team approach to dental implantology is the most important factor in successful patient treatment. This does not imply merely division of labor but an absolute mutual understanding and respect for the requirements for all participating providers. The participants of this course are expected to learn the role and basic techniques employed by all the disciplines involved in treatment with dental implants.

**NEND 801 Specialty Clinic, Endodontics**

Second year of clinical training in endodontics. Provides a diversity of surgical and nonsurgical clinical experience, with emphasis on the treatment of challenging and unusual cases. Applications of recent developments and innovations in clinical endodontics are also emphasized.

**NEND 802 Laboratory, Surgical Anatomy**

Continuation of NEND 702. Second year residents assume teaching responsibilities and mentor first year endodontics residents and comprehensive dentistry residents in performing endodontic surgical procedures.

**NEND 803 Rotation through Walter Reed National Military Medical Center Bethesda**

Rotation through ENT and the Orofacial Pain Clinics is designed to increase the endodontic resident's competency in physical evaluation, diagnosis, and management of patients with medical complications.

**NEND 804 Seminar, Clinical Endodontics/Presurgical Conference**

Continuation of NEND 704.

**NEND 805 Seminar, Classical Endodontics Literature**

Continuation of NEND 705.

**NEND 806 Seminar, Endodontics/Related Specialties**

Continuation of NEND 706

**NEND 807 Seminar, Current Endodontics Literature**

Continuation of NEND 707

**NEND 808 Teaching, Endodontics**

The resident participates in the endodontic teaching program by presenting lectures and table clinics, leading seminars, and instructing in the clinic and the laboratory.

**NEND 809 Seminar, Endodontic Surgical Oral Pathology**

A monthly microscopic slide seminar with clinical pathologic correlation at which the resident is responsible for the diagnosis of 5 histopathologic slides and for a detailed discussion of the clinical characteristics, treatment and prognosis of the disease represented by each slide.

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## **MAXILLOFACIAL PROSTHODONTICS**

Faculty: CDR Samuel Richards

### **NMFP 901 Maxillofacial Clinical Prosthetics**

Clinical experience and laboratory instruction in the treatment of maxillofacial deficiencies of a severity and magnitude beyond the scope of prosthodontic training.

### **NMFP 902 Maxillofacial Prosthetics**

This course combines practical laboratory exercises, lectures, and seminars to introduce prosthodontics residents to maxillofacial prosthetics. The participants will make facial mouldage impressions and fabricate a silicone ear and acrylic ocular prostheses. A laboratory session for designing obturator frameworks using diagnostic casts and a workshop on the psychological impact of head and neck cancer will take place. The course will survey the general and specialty literature, collate available data and clinical experience, and present a rational approach to the evaluation, care, and maintenance of the oral health of patients undergoing head and neck radiation. The lecture/seminar material will also cover management of cleft lip and palate defects, mandibular and maxillary acquired defects, and ocular and oculofacial prostheses. Where possible, there will be clinical presentation of patients with various maxillofacial prosthetic rehabilitations.

### **NMFP 903 Special Topics in Osseointegration**

The course is designed for practitioners with prior surgical or restorative implant experience who desire current information on the advances in implant dentistry. The focus is primarily on the treatment of the partially edentulous patient. Specific areas to be emphasized include advanced treatment planning concepts, guided tissue regeneration, site preparation with grafting materials, and aesthetic single-tooth and multiunit restorations. Additional emphasis will be placed on follow-up care to include management of complications, routine maintenance, and emergency repairs. The course although conducted primarily through seminar format, will include patient presentations and “lessons learned” discussions. Presentations sponsored by a variety of implant manufacturers will be used to broaden the scope of the information presented.

### **NMFP 904 Speech Pathology**

This course is conducted by speech and language therapists from the Walter Reed National Military Medical Center Bethesda. It is designed to introduce participants to speech and language development and speech alterations secondary to congenital and acquired maxillofacial defects.

### **NMFP 905 Cleft Palate Conference**

Similar to NPRO 910, with participation in treatment planning and staging of all conference cases.

### **NMFP 906 Consultant Lectures and Seminars**

The resident attends lectures and seminars in the area pertaining to maxillofacial prosthetics.

### **NMFP 907 Continuing Education Course and Observerships**

The resident attends continuing education courses and participates in training programs at institutions other than NPDS. Each institution offers a specific program or technique that maxillofacial residents can incorporate as an integral part of their training.

### **NMFP 908 Head and Neck Surgery Observership**



The resident observes a representative variety of the major head and neck surgery performed in the main operating room at the Walter Reed National Military Medical Center Bethesda, and assists the surgeons in the treatment of patients with surgical prostheses. This course will include instruction in surgical scrubbing, gloving, and gowning. The resident will be assigned rotation periods in Oral and Maxillofacial Surgery and Head and Neck Surgery/Otolaryngology.

#### **NMFP 909 Head and Neck Tumor Board**

The resident attends weekly Tumor Board conferences and participates along with otolaryngology, oral and maxillofacial surgery, radiation therapy, and chemotherapy personnel of the Walter Reed National Military Medical Center Bethesda, Bethesda, in treatment planning for head and neck cancer patients.

#### **NMFP 910 Seminar, Patient Presentation (Maxillofacial Prosthetics)**

Maxillofacial prosthetic cases are documented and presented to the departmental staff and residents.

#### **NMFP 911 Seminar, Maxillofacial Prosthetics Literature**

Continuation of NPRO 903. A comprehensive review of the literature of maxillofacial prosthetics.

#### **NMFP 912 Teaching, Maxillofacial Prosthetics**

The resident participates in the prosthodontic teaching program, instructs technicians and prosthodontic residents in laboratory techniques unique to maxillofacial prosthetics, and assists second-year residents in prosthodontics with clinical maxillofacial prosthetic cases.

#### **NMFP 913 Maxillofacial Prosthetics Laboratory Procedures**

The resident learns the characteristics and properties of the materials unique to maxillofacial prosthetics and the technical procedures for making facial, ocular, and large intraoral prostheses.

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## **ORAL AND MAXILLOFACIAL PATHOLOGY**

Faculty: CDR Seedall, LCDR Robbins

#### **NOMP 701 Advanced Oral and Maxillofacial Pathology I**

Resident functions as an essential member of the Navy Oral Histopathology Service. Learns microscopic techniques, tissue processing, and staining methods. Prepares the gross descriptions of assigned cases, which are reviewed by a staff member and discussed with the resident. Performs initial histopathologic screening of specimens. Gains experience in clinical pathology by examining patients.

#### **NOMP 702 Advanced Oral and Maxillofacial Pathology II**

Continuation of NOMP 701. The resident participates in lecturing and conducting seminars for specialty residents and prepares microscopic descriptions of assigned biopsy specimens, which are reviewed and discussed with staff members. Participates in review of oral and maxillofacial pathology literature. Advanced cases in head and neck pathology are reviewed on a daily basis.

#### **NOMP 703 Independent Study in Special Topics**

This course is designed to allow residents to direct their study by providing the opportunity for additional emphasis on clinical practice or histopathologic practice. At the discretion of the program director, residents desiring clinical practice would consider adding NOMP 704 Oral Medicine/Clinical Oral Diagnosis. Residents interested in histopathology would add additional hours in NOMP 705

Seminar, Special Pathology or NOMP 702 Advanced Oral and Maxillofacial Pathology II. Additional considerations for clinical or histopathology may be arranged with the consent of the program director and the participating department in otolaryngology, oral medicine, dermatology, immunohistochemistry, cytology, hematology, or other fields of interest.

**NOMP 704 Oral Medicine/Clinical Oral Diagnosis** (for oral pathology residents)

Clinical practice designed to reinforce diagnostic and patient management skills. Special emphasis will be placed on (1) eliciting a complete medical and dental history, (2) physical examination, (3) radiographic interpretation, (4) ordering appropriate laboratory studies, (5) performing diagnostic tests, (6) synthesizing a differential diagnosis, and (7) developing an effective treatment plan. The resident will develop an appreciation for the relationship between clinical presentation and microscopic appearance and gain experience in the dental management of patients with serious and complex medical problems.

**NOMP 705 Seminar, Special Pathology**

Resident participates in the Walter Reed National Military Medical Center Bethesda, Tumor Board conferences, clinicopathologic conferences presented in conjunction with the General Pathology Department, autopsy conferences, and regularly scheduled conferences of the Dermatology, Otorhinolaryngology, and Radiology Services. Participates in review of oral and maxillofacial pathology literature through assigned topics.

**NOMP 706 General Pathology**

Lectures and clinicopathological seminars at the F. Edward Hebert School of Medicine, Uniformed Services University of Health Sciences. This course covers the clinical, gross, and histopathologic presentation of pathology organized as into modules by each organ system.

**NOMP 707 Seminar, Special Clinical Oral and Maxillofacial Pathology Topics**

This bi-weekly seminar allows the oral pathology resident an opportunity to incorporate into a formal presentation mode the clinical, laboratory, and microscopic aspects of a narrow focus of diseases. During this seminar, the resident will be able to focus on the advanced principles of clinical diagnosis and treatment with the occasional implementation of a problem-based approach. During these seminars, the resident will also gain valuable experience by directing a seminar and constructing a formal presentation.

**NOMP 708 Introduction to Basic Histopathology Techniques, Special Procedures, and Laboratory Management**

This course will provide the oral and maxillofacial pathology resident with experience in basic histopathologic procedures, including the processing, sectioning, and staining of submitted tissue specimens. The resident will become familiar with the basic operation and programming of the tissue processor and use of the embedding station and the microtome. Preparation of staining solutions and theoretical chemical interactions with tissue components will be reviewed. Routine and selected special histochemical stains and several immunohistochemical procedures will be performed. Procedures employed for frozen sections will also be introduced.

**NOMP 709 Seminar, Advanced Surgical Oral and Maxillofacial Pathology**

Residents participate in a weekly seminar within the Oral and Maxillofacial Pathology Department during which difficult surgical cases are reviewed and discussed with the staff members. Morphologically challenging cases are drawn from exchange sets from other oral and maxillofacial pathology training programs, from the Registry of Oral and Maxillofacial Pathology, from personal

collections, and from other sources.

### **NOMP 801 General Pathology Rotations**

This second-year curriculum is comprised of 12 months of assigned rotations in general pathology at the Walter Reed National Military Medical Center Bethesda. Residents will participate in the gross and microscopic examination of surgical specimens, and obtain experience in clinical pathology, hematopathology, cytopathology, and dermatopathology and soft tissue pathology. The resident will also obtain experience with autopsy techniques and participate in or retrospectively review a minimum of 10 autopsies, compiling a presentation of one case. The resident will also obtain experience with autopsy techniques and will act as a prosector in a minimum of 20 autopsies. The residents will actively participate in the continuing education program offered by the medical pathology staff and are encouraged to present head and neck seminar cases during their year-long rotation.

### **NOMP 901 Joint Pathology Center Rotation**

This third-year curriculum consists of up to a 12-month assignment to the Department of Head and Neck Pathology, Joint Pathology Center, Silver Spring, Maryland. The JPC acts as a consultation center for pathologists throughout the world. Therefore, this year of training provides the opportunity to study the most unusual and interesting disease processes that occur in, but are not limited to, the head and neck region. Normally, an opportunity to conduct a retrospective study on one or more of these diseases, leading to a scientific publication, is provided and highly encouraged.

### **NOMP 903 Independent Study in Special Topics**

Continuation of NOMP 703. This course is designed to allow residents to direct their study by providing the opportunity for additional emphasis on clinical practice or histopathologic practice. At the discretion of the program director, residents desiring clinical practice would consider adding NOMP 704 Oral Medicine/ Clinical Oral Diagnosis. Residents interested in histopathology would add additional hours in NOMP 705 Seminar, Special Pathology or NOMP 702 Advanced Oral and Maxillofacial Pathology II. Additional considerations for clinical or histopathology may be arranged with the consent of the program director and the participating department in otolaryngology, oral medicine, dermatology, immunohistochemistry, cytology, hematology, or other fields of interest.

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## **OROFACIAL PAIN**

Faculty: CDR Hawkins, CAPT Hargitai, CDR Criddle

### **NOFP 701 Specialty Clinic, Orofacial Pain**

Specialty Clinic provides the opportunity for residents to learn how to clinically apply information taught in the classroom. By participating in a variety of patient care experiences through the Orofacial Pain Center, residents will develop expertise in using multidisciplinary protocols to evaluate and manage orofacial pain conditions.

### **NOFP 702 Current Pain Literature Seminar I**

The seminar consists of weekly 1-hour reviews of current basic science and clinical articles relating to pain. Specifically the seminar is designed to provide residents with an appreciation of contemporary topics in pain science and to develop their ability to critically evaluate literature.

### **NOFP 703 Orofacial Pain Concepts Seminar I**

This course consists of a 10-month series of seminars that establish the theoretical basis for contemporary orofacial pain practice. The seminars closely examine the pathophysiologic mechanisms of pain and present clinically relevant principles of pain evaluation, diagnosis and management. The unique considerations of pain involving the trigeminal nerve system are emphasized.

#### **NOFP 704 Orofacial Pain Grand Rounds I**

Clinical cases and special reports on pain related topics are presented and reviewed by residents and faculty. Interesting or challenging patient evaluations, diagnoses and management protocols are discussed in a collegial fashion. The seminar is designed to serve as both a resident learning experience and as a performance improvement and evaluation tool.

#### **NOFP 705 Specialty Clinic, Orofacial Pain (24 Month Track)**

Specialty Clinic provides the opportunity for residents to learn how to clinically apply information taught in the classroom. By participating in a variety of patient care experiences through the Orofacial Pain Center, residents will develop expertise in using multidisciplinary protocols to evaluate and manage orofacial pain conditions.

#### **NOFP 801 Specialty Clinic, Orofacial Pain**

Continuation of NOFP 701.

#### **NOFP 802 Current Pain Literature Seminar II**

Continuation of NOFP 702. Second year residents assume increased roles in presenting and reviewing contemporary pain literature.

#### **NOFP 803 Orofacial Pain Concepts Seminar II**

Continuation of NOFP 703.

#### **NOFP 804 Orofacial Pain Grand Rounds II**

Continuation of NOFP 704. Second year residents assume increased roles in presenting and analyzing clinical cases, and in discussing performance improvement and evaluation opportunities within a multi-disciplinary pain practice.

#### **NOFP 805 Specialty Clinic, Orofacial Pain (24 Month Track)**

Specialty Clinic provides the opportunity for residents to learn how to clinically apply information taught in the classroom. By participating in a variety of patient care experiences through the Orofacial Pain Center, residents will develop expertise in using multidisciplinary protocols to evaluate and manage orofacial pain conditions.

#### **NOFP 901 Specialty Clinic, Orofacial Pain**

Continuation of NOFP 801.

#### **NOFP 902 Current Pain Literature Seminar III**

Continuation of NOFP 802. Third year residents assume roles in selecting and critiquing contemporary pain literature.

#### **NOFP 903 Orofacial Pain Concepts Seminar III**

Continuation of NOFP 803.

#### **NOFP 904 Orofacial Pain Grand Rounds III**

Continuation of NOFP 804. Third year residents assume roles in selecting, presenting and critiquing clinical cases, and in leading discussions regarding performance improvement and evaluation opportunities within a multi-disciplinary pain practice.

### **NOFP 905 Orofacial Pain Specialty Rotations**

Residents will rotate through various medical specialty departments at the Walter Reed National Military Medical Center Bethesda. Rotations are designed to broaden the resident's overall knowledge and clinical experiences, and to increase competency regarding multi-disciplinary patient evaluation, diagnosis and management.

### **NOFP 906 Research Project**

A continuation of NCCC 721, following study approval, the resident will execute their study. This course will assist residents in data collection and analysis of results. Each resident will prepare a written paper on their completed project and defend it in front of a research committee.

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## **PERIODONTICS**

Faculty: CAPT Bahrani, CAPT Merchant, CDR Darcey, CDR Rexha, LCDR Swisher

### **NPER 701 Specialty Clinic**

This course encompasses the clinical training of the residents with emphasis on examination, assessment, treatment planning, and performance of surgical and non-surgical periodontal and implant-related therapies.

### **NPER 702 Perio Basic Science Seminars**

The Perio Basic Sciences seminar was developed as a means to officially prepare for basic sciences elements of the National In-Service Examination and allow for structured time to highlight important scientific concepts that play a key role in the pathophysiology of periodontal disease. The seminar will be driven by resident research and short presentations on topics selected by the program leadership. Presentations should not be longer than 30 minutes in duration and residents must submit a topic review sheet that will serve as a study guide for all residents. While general scientific concepts are appropriate to include in the review, residents should focus on the clinical relevance of the topic and the link to periodontal disease. Residents will be graded on their presentation and topic review sheet submission.

### **NPER 703 Periodontal Literature Review**

This course is designed to expose the resident to the body of dental literature which serves as the foundation for the treatment of patients. In this course, the residents will learn how to critically assess and interpret the literature and how to use the literature to form and defend their treatment philosophies and practices. Seminars in this course include:

- Classic Literature
- Current Literature

### **NPER 704 Topics in Periodontal and Implant Therapy**

This course is made up of seminars, lectures and educational experiences designed to explore and expound upon relevant topics in the diagnosis and treatment of periodontal diseases and conditions and implant therapy. Specific seminars included in this course include:

- Perio topics
- Critically Assessed Topics (CAT)
- M+M
- Medical Emergency scenarios
- Anatomy seminar and lab
- Laser safety and use
- Ridge Augmentations for implant therapy
- Sinus Augmentations for implant therapy
- Osseous Resection Lab
- Bone physiology lecture

### **NPER 705 Teaching Periodontology**

This is designed to give residents training and experience in teaching of periodontology.

- Lectures given by residents
- Mentor of other residents (eg Pros placement of implants, comp surgeries)

### **NPER 706 Oral & Mock Board Examinations**

Residents will participate in two 45-minute oral examinations and two 90-minute mock board examinations each year in order to prepare for the American Board of Periodontology's written and oral board certification exams after graduation. The oral exams will focus on knowledge of the classic periodontal literature, while the mock board examinations will be case-based and mimic the structure of the actual certifying board examination. Examiners will be primarily from the residency faculty with occasional guest examiners from other Commands and services. Residents must pass each evolution with a minimum score as described in the resident manual. Failure to obtain the minimum necessary score will necessitate a remediation plan guided by the Program Director.

### **NPER 707 Research Project**

Each resident must complete a research project and will select a research committee to assist them in their endeavor. After reviewing the literature, a protocol will be written and submitted for institutional review. In some instances, a review paper may be substituted.

### **NPER 708 Moderate Sedation and Analgesia**

This course complies with the ADA guidelines for the teaching of pain control and moderate conscious sedation. A review of the medical history, appropriate sedation monitors, management of medical emergencies and strategies for pain and anxiety management will be discussed. Twenty sedation cases will be completed under direct supervision. Upon completion of this course the student will be able to become moderate conscious sedation certified. This course includes the sedation short course and an anesthesia rotation.

### **NPER 709 Management of Medical Emergencies**

This course covers the diagnosis and management of common medical emergencies, with special emphasis on patient evaluation and history taking to prevent such emergencies in the dental office.

**NPBR 710 Orofacial Pain**

This advanced course will provide residents with practical guidelines for the assessment, diagnosis, and conservative nonsurgical management of patients with orofacial pain and temporomandibular (TM) disorders. A problem-based learning format will be used with lectures, demonstrations, and clinical and laboratory exercises to provide background etiologic, diagnostic, and therapeutic information. Emphasis is placed on understanding the physiologic disturbances that characterize pain, and differentiating between pain and dysfunction caused by muscle disorders, neurophatic diagnoses, and those caused by TM joint pathology or other causes of orofacial pain. Participants will concentrate on how Physical Self-Regulation, intraoral orthotic therapy, pharmacology and psychology are integrated into a comprehensive approach to orofacial pain management. Participants will fabricate and deliver a muscle-relaxation splint and learn the techniques of Physical Self-Regulation.

**NPBR 711 Pediatric Dentistry**

This course is an introduction to the background, current principles, philosophies, and treatment strategies unique to the practice of pediatric dentistry. Emphasis will be directed towards (1) prevention of dental disease; (2) rationale and protocols for both infant and child dental examinations; (3) understanding and effectively managing the behavioral aspects of the dentist-patient-parent triad; (4) pediatric restorative dentistry; (5) implementing appropriate space maintenance therapy, including a laboratory exercise on fabrication of fixed space maintenance appliances; and (6) interceptive orthodontics from a pediatric dentistry perspective

**NPBR 801 Specialty Clinic**

Continuation of NPBR 701.

**NPBR 802 Perio Basic Science Seminars**

Continuation of NPBR 702

**NPBR 803 Periodontal Literature Review**

Continuation of NPBR 703

**NPBR 804 Topics in Periodontal and Implant Therapy**

Continuation of NPBR 704

**NPBR 805 Teaching Periodontology**

Continuation of NPBR 705

**NPBR 806 Oral & Mock Board Examinations**

Continuation of NPBR 706

**NPBR 807 Research Project**

Continuation of NPBR 707

**NPBR 808 Moderate Sedation and Analgesia**

Continuation of NPBR 708

**NPBR 809 Seminar, Periodontic Surgical Oral and Maxillofacial Pathology**

Monthly microscopic slide seminar at which the resident is responsible for the diagnosis of histopathologic slides and for a detailed discussion of the clinical characteristics, treatment, and prognosis of the diseases represented by each slide.

**NPER 901 Specialty Clinic**

Continuation of NPER 801. It includes off-site clinic at Annapolis BHC.

**NPER 902 Perio Basic Science Seminars**

Continuation of NPER 802.

**NPER 903 Periodontal Literature Review**

Continuation of NPER 803.

**NPER 904 Topics in Periodontal and Implant Therapy**

Continuation of NPER 804.

**NPER 905 Teaching Periodontology**

Continuation of NPER 805.

**NPER 906 Oral & Mock Board Examinations**

Continuation of NPER 806.

**NPER 907 Research Project**

A continuation of NPER 807, following study approval, the resident will execute their study. This course will assist residents in data collection and analysis of results. Each resident will prepare a written paper on their completed project and defend it in front of a research committee.

**NPER 908 Moderate Sedation and Analgesia**

Continuation of NPER 808

**NPER 909 Seminar, Periodontic Surgical Oral and Maxillofacial Pathology**

Monthly microscopic slide seminar at which the resident is responsible for the diagnosis of histopathologic slides and for a detailed discussion of the clinical characteristics, treatment, and prognosis of the diseases represented by each slide.

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**PROSTHODONTICS**

Faculty: CAPT Petrich, CDR Abdolazadeh, CDR Yu, LCDR Duong, LCDR Burns, CDR Richards

**NPRO 701 Clinic and Laboratory Assignments, Prosthodontics**

Clinical patient treatment on a comprehensive basis stressing excellence in fundamental prosthodontic techniques. Diagnosis, treatment planning, treatment sequencing, and fundamental prosthodontic principles are stressed in preparation for management of more complex cases. This also includes clinical cases in fixed partial dentures, removable partial dentures, and complete dentures fabricated by prosthodontics residents to acquaint them with laboratory procedures necessary for the practice of prosthodontics and as a requisite to serve as a laboratory officer.

**NPRO 702 Prosthodontics Conference, Guest Seminar**

Guest seminar of national stature, with backgrounds in clinical prosthodontics, teaching, and literature contributions, each presenting an all-day program to the prosthodontics T-1 residents and



staff in a lecture-seminar-discussion modality. In addition, residents may attend programs presented by other guest seminarians at local dental/medical education facilities.

#### **NPRO 703 Seminar, Prosthodontic Literature**

Investigation of the literature in greater depth and consideration of its specific application to treatment problems and to justify the basis of treatment in the specialty of prosthodontics. Readings of historical and current prosthodontic literature to introduce the resident to the basis of clinical practice. Emphasis will be placed on papers relating to research and clinical techniques. The readings will augment basic courses to provide the resident with a greater in-depth knowledge in all areas of prosthodontics and enable the resident to justify clinical treatment.

#### **NPRO 704 Seminar, Prosthodontics/Periodontics**

Clinical cases and timely topical seminars are presented by residents from the Periodontics and Prosthodontics Departments. Therapy rendered by both disciplines is planned, coordinated, and evaluated through group discussions under the guidance of clinically experienced staff members.

#### **NPRO 705 Seminar, Treatment Planning**

Treatment planning patient presentations will be delivered on a scheduled basis. Presentations will be evaluated by the prosthodontic staff and guest specialty consultants. Presentations will follow the format of the American Board of Prosthodontics and be an open forum for discussion of all facets of treatment options.

#### **NPRO 706 Seminar, Prosthodontics/Oral Maxillofacial Surgery**

Seminar to review surgical, orthodontic, and prosthodontic treatment of patients requiring orthognathic surgery. Cases will be presented and discussed with respect to diagnosis, treatment planning, interdisciplinary cooperation, treatment sequelae, and prognosis. The purpose is to improve interdisciplinary understanding and cooperation. This is a joint seminar involving Walter Reed National Military Medical Center Bethesda oral and maxillofacial surgical residents and staff, the staff orthodontist, and the prosthodontic residents and staff.

#### **NPRO 707 Prosthodontic Oral Boards I**

Written and oral mock boards in the format of the American Board of Prosthodontics will assess the resident's comprehension of the literature and the ability to formulate and defend treatment decisions. Principle focus of the oral board will be on literature seminar material and didactic coursework.

#### **NPRO 708 Complete Dentures**

This course is presented to the first-year prosthodontic and comprehensive dentistry residents. Lectures and laboratory sessions present the fundamental principles of complete denture therapy. The 5-appointment routine is presented and demonstrated, preparing the resident to practice these techniques clinically. Immediate, single, and overdentures are introduced, along with patient management, troubleshooting, and a basic overview of laboratory technique. Lectures and demonstrations are given by Board-Certified prosthodontists.

#### **NPRO 709 Seminar, Prosthodontics/Endodontics**

Timely topical seminars and clinical cases are presented by residents from the Endodontics and Prosthodontics Departments. Treatment rendered by both disciplines is planned, coordinated, and evaluated through group discussions under guidance of clinically experienced staff.

#### **NPRO 710 Removable Partial Dentures**

Lectures, demonstrations, and laboratory sessions dealing with clinical and laboratory phases of removable partial dentures from diagnosis to completion. Basic philosophies, theories, and current concepts will be investigated and applied, with an emphasis on a pragmatic approach to routine removable prosthodontic treatment. Resident is under the supervision of Diplomates of the American Board of Prosthodontics.

### **NPRO 711 Advanced Complete Dentures**

Designed for residents in prosthodontics, this course begins with a review of the fundamental principles of complete denture therapy and moves on to include advanced clinical and laboratory techniques. Lectures, seminars, and hands-on laboratory exercises are augmented by clinical and laboratory demonstrations on patients.

### **NPRO 712 Advanced Fixed Prosthodontics**

This comprehensive course is designed for the first-year prosthodontic resident. It will cover advanced design theories in preparation, FDP frameworks, pontics, all ceramic restorations, and porcelain laminate veneers as well as laboratory exercises related to these theories. The intensive laboratory exposure demands concurrent demonstrations in the use of laboratory equipment. This course is presented in conjunction with NPRO 714 to reinforce the relationship between mandibular movement, articulator mechanics, and the clinical restorations fabricated.

### **NPRO 713 Advanced Removable Partial Dentures**

A select course for first-year prosthodontic residents, not only reviewing basic philosophies, theories, and current concepts, but also introducing advanced removable partial denture design and treatment. Laboratory technology aspects will be emphasized.

### **NPRO 714 Occlusion (Prosthodontics)**

A course designed for first-year prosthodontic residents introducing evolution, development, and accepted current philosophy of occlusion. An introduction to and the use of stereographic and pantographic fully adjustable instruments will be emphasized.

### **NPRO 715 Orofacial Pain**

This advanced course will provide residents with practical guidelines for the assessment, diagnosis, and conservative nonsurgical management of patients with orofacial pain and temporomandibular (TM) disorders. A problem-based learning format will be used with lectures, demonstrations, and clinical and laboratory exercises to provide background etiologic, diagnostic, and therapeutic information. Emphasis is placed on understanding the physiologic disturbances that characterize pain, and differentiating between pain and dysfunction caused by muscle disorders, neurophatic diagnoses, and those caused by TM joint pathology or other causes of orofacial pain. Participants will concentrate on how Physical Self-Regulation, intraoral orthotic therapy, pharmacology and psychology are integrated into a comprehensive approach to orofacial pain management. Participants will fabricate and deliver a muscle-relaxation splint and learn the techniques of Physical Self-Regulation

### **NPRO 801 Advanced Clinic and Laboratory, Prosthodontics**

Continuation of NPRO 701. Clinical patient treatment on a comprehensive level involving advanced prosthodontic techniques. Residents are given the opportunity to pursue areas of special interest consistent with combined prosthodontic program requirements. This includes clinical cases at an advanced level involving complex laboratory procedures. Training should lead to a high degree of proficiency.

**NPRO 802 Prosthodontics Conference, Guest Seminar**

Guest seminar of national stature, with backgrounds in clinical prosthodontics, teaching, and literature contributions, each presenting an all-day program to the prosthodontics T-2 residents and staff in a lecture-seminar-discussion modality. In addition, residents may attend programs presented by other guest seminar at local dental/medical education facilities.

**NPRO 803 Seminar, Prosthodontic Literature**

Continuation of NPRO 703.

**NPRO 804 Seminar, Prosthodontics/Periodontics**

Continuation of NPRO 704.

**NPRO 805 Seminar, Treatment Planning**

Continuation of NPRO 705.

**NPRO 806 Seminar, Prosthodontics/Oral Maxillofacial Surgery**

Continuation of NPRO 706.

**NPRO 807 Prosthodontic Oral Boards II**

Continuation of NPRO 707.

**NPRO 808 Teaching, Prosthodontics**

Residents are expected to prepare a table clinic to be presented in their second year. This table clinic should be of a caliber to present at the national meeting of the specialty. Third year residents teach and clinically mentor during the Prosthodontics continuing education course and serve as mentors directing selected seminar topics for the Comprehensive Dentistry Department.

**NPRO 809 Dental Implantology, Patient Presentations**

Dental Implant cases are documented and presented to the departmental staff and residents.

**NPRO 810 Speech Pathology**

This course is conducted by speech and language therapists from the Walter Reed National Military Medical Center Bethesda. It is designed to introduce participants to speech and language development and speech alterations secondary to congenital and acquired maxillofacial defects.

**NPRO 811 Maxillofacial Prosthetics**

This course combines practical laboratory exercises, lectures, and seminars to introduce prosthodontics residents to maxillofacial prosthetics. The participants will make facial moulage impressions and fabricate a silicone ear and acrylic ocular prostheses. A laboratory session for designing obturator frameworks using diagnostic casts and a workshop on the psychological impact of head and neck cancer will take place. The course will survey the general and specialty literature, collate available data and clinical experience, and present a rational approach to the evaluation, care, and maintenance of the oral health of patients undergoing head and neck radiation. The lecture/seminar material will also cover management of cleft lip and palate defects, mandibular and maxillary acquired defects, and ocular and oculo-facial prostheses. Where possible, there will be clinical presentation of patients with various maxillofacial prosthetic rehabilitations.

**NPRO 812 Nutrition**

This course will be conducted by a trained nutritionist and will emphasize proper nutrition and diet in the medically compromised and geriatric patient.

**NPRO 901 Advanced Clinic and Laboratory, Prosthodontics**

Continuation of NPRO 801. Clinical patient treatment on a comprehensive level involving advanced prosthodontic techniques. Residents are given the opportunity to pursue areas of special interest consistent with combined prosthodontic program requirements. This includes clinical cases at an advanced level involving complex laboratory procedures. Training should lead to a high degree of proficiency.

**NPRO 902 Prosthodontics Conference, Guest Seminar**

Guest seminar of national stature, with backgrounds in clinical prosthodontics, teaching, and literature contributions, each presenting an all-day program to the prosthodontics T-3 residents and staff in a lecture-seminar-discussion modality. In addition, residents may attend programs presented by other guest seminar at local dental/medical education facilities.

**NPRO 903 Seminar, Prosthodontic Literature**

Continuation of NPRO 803.

**NPRO 904 Seminar, Prosthodontics/Periodontics**

Continuation of NPRO 804.

**NPRO 905 Seminar, Treatment Planning**

Continuation of NPRO 805.

**NPRO 906 Seminar, Prosthodontics/Oral Maxillofacial Surgery**

Continuation of NPRO 806.

**NPRO 907 Prosthodontic Oral Boards III**

Continuation of NPRO 807. Culmination of the third-year board preparation will be the presentation and defense of their American Board of Prosthodontics board case. Presentations will be formal with department staff, fellow residents, and interested guests in attendance

**NPRO 908 Teaching, Prosthodontics**

Residents are expected to prepare a table clinic to be presented in their second year. This table clinic should be of a caliber to present at the national meeting of the specialty. Third year residents teach and clinically mentor during the Prosthodontics continuing education course and serve as mentors directing selected seminar topics for the Comprehensive Dentistry Department.

**NPRO 909 Dental Implantology, Patient Presentations**

Continuation of NPRO 809.

**NPRO 910 Cleft Palate Conferences, Diagnosis and Treatment Planning**

Conducted by the Plastic Surgery Service, Walter Reed National Military Medical Center Bethesda, on diagnosis and treatment planning for the cleft palate patient.

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## CONTINUING DENTAL EDUCATION PROGRAM

Each year, the Naval Postgraduate Dental School provides a series of continuing education courses. These courses present the latest developments in dentistry and promote the highest standards of dental practice.

Courses are open to dental officers of the Armed Forces and dentists affiliated with Federal agencies. Applications from non-federal agency dentists are considered on a space-available basis. Some courses have specific enrollment restrictions (see brochure for eligibility statements).

The United States Navy Dental Corps is designated as a recognized provider by the Continuing Education Recognition Program (CERP) conducted under the auspices of the American Dental Association. The current term of recognition extends from June 2022 through June 2026.

### 2024-2025 COURSES AND DATES

<b>Courses</b>	<b>Dates</b>
Orofacial Pain	21-25 Oct 2024
Advanced General Dentistry	28 Oct-1 Nov 2024
Pain Control & Nitrous Oxide/Oxygen Minimal Sedation	4-7 Nov 2024
Endodontics	2-6 Dec 2024
Oral and Maxillofacial Surgery Review (Oral Surgeons)	20-24 Jan 2025 (Mock Board, 25 Jan)
Oral & Maxillofacial Pathology and Radiology	28-31 Jan 2025
Pediatric Dentistry & Orthodontics	3-7 Feb 2025
Oral and Maxillofacial Surgery	24-28 Feb 2025
Digital Dentistry for Orthodontic, Oral Surgery, & Implant Applications	10-13 Mar 2025
Prosthodontics	17-20 Mar 2025
Periodontics and Surgical Implantology	31 Mar-4 Apr 2025
Basic Osseointegration Implant Techniques	7-10 Apr 2025
General Dentistry Treatment Planning	5-9 May 2025
Advanced Operative Dentistry	12-16 May 2025

Descriptions of the courses and the enrollment procedures are available on the NPDS website <https://www.med.navy.mil/Naval-Medical-Leader-and-Professional-Development-Command/Naval-Postgraduate-Dental-School/Continuing-Education/>

Non-federal agency dentists should call one week prior to the beginning of a course to check for space-available seats and will be accepted only if space is still available. If you need to cancel your enrollment in a course, notify us as soon as possible so that the vacant place may be reassigned to someone else.

### Funding Support

- Naval dental officers on active duty in BUMED activities apply to your local command.
- Naval dental officers in non-BUMED activities contact Commanding Officer (Code OGDC), Naval Medical Leader and Professional Development Command, 8955 Wood Road, Bethesda, Maryland 20889-5628, or call DSN 295-0650 or commercial (301) 295-0650, FAX DSN 295-1783.

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## CORRESPONDENCE COURSE PROGRAM

To augment the educational programs available to dental officers, the Naval Medical Leader and Professional Development Command sponsors a series of correspondence courses that are developed and administered by the Naval Postgraduate Dental School. The courses are based on widely accepted dental textbooks. The courses are rated for continuing education credits by the US Navy Dental Corps, an ADA CERP recognized CDE provider.

The program is designed to provide continuing education for all dental officers on active duty with the US Armed Forces or other Federal Agencies, for Reserve officers on inactive duty, and for dental officers of armed forces of friendly nations. By taking these correspondence courses, Naval Reserve officers on inactive duty may earn retirement points. Retirement points may be earned at the rate of up to one retirement point for every four continuing education credits awarded. Naval Reserve officers should forward proof of satisfactory completion for any CDE completed to Navy Personnel Command (PERS-912), 5720 Integrity Drive, Millington, TN, 38055 to be evaluated for the award of retirement points.

Endodontics (NAVEDTRA 13151-D)	9 Assignments	48 credits
Fixed Prosthodontics (NAVEDTRA 13106-B)	6 Assignments	36 credits
Medical Emergencies in the Dental Office (NAVEDTRA 13125-B)	6 Assignments	36 credits
Occlusion (NAVEDTRA 13114-C)	5 Assignments	12 credits
Operative Dentistry (NAVEDTRA 13146-C)	5 Assignments	30 credits
Oral Pathology (NAVEDTRA 13150-B)	7 Assignments	42 credits
Oral Surgery (NAVEDTRA 13105-B)	10 Assignments	54 credits
Orofacial Pain (NAVEDTRA 13153-B)	5 Assignments	27 credits
Orthodontics (NAVEDTRA 13136-C)	6 Assignments	42 credits
Pediatric Dentistry (NAVEDTRA 13115-B)	7 Assignments	42 credits

Periodontics (NAVEDTRA 13157-B)	10 Assignments	54 credits
Sleep Medicine (NAVEDTRA 13156-A)	4 Assignments	16 credits

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## DVD SERIES

This series consists of DVDs of lectures by Naval Postgraduate Dental School staff on subjects of interest to dentists on active duty. The purpose of the series is to provide dentists with an alternative form of continuing education that will enable them to provide better dental care.

DVDs are available to dental officers on active duty with the US Armed Forces or other Federal agencies and Reserve dental officers. The programs may be used on an individual or small group basis. A short quiz must be taken to receive the continuing education credit. A completion letter will be issued after the DVD is returned to the Naval Postgraduate Dental School.

The following programs are available:

Nitrous Oxide Sedation: Pain Control, Equipment and Techniques  
 Biopsy Principles and Techniques  
 Keys to Success: Guided Tissue Regeneration (2 DVD set)  
 Sleep Apnea Management by Mandibular Advancement Device

### Course Information and Applications

Descriptions of the courses/DVDs, eligibility requirements, and application procedures are described on the NPDS website:

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

Applications are also available from:

Dean  
 ATTN: Educational Resources  
 Naval Postgraduate Dental School  
 Building 1 Room 4384  
 8955 Wood Road  
 Bethesda, MD 20889-5628

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## **ADMINISTRATIVE STAFF**

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MS, The George Washington University  
Certificate in Oral & Maxillofacial Pathology, NPDS  
Diplomate, American Board of Oral & Maxillofacial Pathology  
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CDR J. CAMERON BECK, DC, USN  
ASSOCIATE DEAN  
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Certificate in Periodontics, NPDS  
Diplomate, American Board of Periodontology

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## **NAVAL POSTGRADUATE DENTAL SCHOOL FACULTY AND STAFF**

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MS, The George Washington University  
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Certificate in Maxillofacial Prosthetics, NPDS  
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DDS, University of Maryland  
MS, Uniformed Services University of the Health Sciences  
Certificate in Prosthodontics, NPDS



CHAIR, EDUCATIONAL RESOURCES

MR. DEUANTA COLE

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MS, Mississippi State University, Instructional Technology

Certificate of Instructional Systems Development, CCAF

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BS, Brigham Young University

DMD, Tufts University School of Dental Medicine

MS, Uniformed Services University of Health Sciences

Certificate in Orofacial Pain, NPDS

Fellow, American Academy of Orofacial Pain

Diplomate, American Board of Orofacial Pain

Diplomate, American Board of Dental Sleep Medicine

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RESIDENCY PROGRAM DIRECTOR, PERIODONTICS

ASSISTANT PROFESSOR, Postgraduate Dental College, USUHS

BFA, Pratt Institute

DMD, Temple University, Kornberg School of Dentistry

MS, Uniformed Services University of Health Sciences

Certificate in Periodontics, NPDS

Diplomate, American Board of Periodontology

Diplomate, International Congress of Oral Implantologists

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RESEARCH

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DMD, University of Kentucky

MPH, University of Kentucky

PhD, Yale University

LCDR JESSICA R. DILLON, DC, USN

ORAL DIAGNOSIS

ORAL AND MAXILLOFACIAL RADIOLOGIST

ASSISTANT PROFESSOR, Postgraduate Dental College, USUHS

BS, University of Michigan

DMD, Tufts University School of Dental Medicine

MS, Oral and Maxillofacial Radiology, University of North Carolina Adams School of Dentistry

Certificate in Oral and Maxillofacial Radiology, University of North Carolina Adams School of Dentistry

Diplomate, American Board of Oral and Maxillofacial Radiology

LCDR DIEWITT DUONG, DC, USN  
PROSTHODONTICS  
BS, University of California, San Diego  
DDS, Arizona School of Dentistry and Oral Health  
MS, Uniformed Services University of the Health Sciences  
Certificate in Prosthodontics, NPDS

CAPT KRISTI E. ERICKSON, DC, USN  
OPERATIVE DENTISTRY  
ASSISTANT PROFESSOR, Postgraduate Dental College, USUHS  
BS, Vanderbilt University  
DMD, Boston University Goldman School of Dental Medicine  
MS, University of North Carolina  
Certificate in Operative Dentistry, University of North Carolina School of Dentistry  
Certified, American Board of Operative Dentistry

CDR ALYSE D. FLEMING, DC, USN  
ENDODONTICS  
BS, North Carolina State University  
DMD, Tufts University School of Dental Medicine  
MS, Uniformed Services University of the Health Sciences  
Certificate in Endodontics, NPDS

CAPT ISTVAN HARGITAI, DC, USN  
ORAL MEDICINE  
OROFACIAL PAIN  
BSc, Case Western Reserve University  
DDS, Case Western Reserve University  
MS, George Washington University  
MA, Helms Medical Institute  
Certificate in Oral Medicine Oral Diagnosis, NPDS  
Certificate Orofacial Pain, NPDS  
Diplomate, America Board of Oral Medicine  
Diplomate, America Board of Orofacial Pain

CDR JAMES M. HAWKINS, DC, USN  
CHAIR, OROFACIAL PAIN  
ASSOCIATE PROFESSOR, Postgraduate Dental College, USUHS  
BS, Denison University  
DDS, Ohio State University  
MS, Uniformed Services University of the Health Sciences  
Certificate in Orofacial Pain, NPDS  
Fellow, American Academy of Orofacial Pain  
Diplomate, American Board of Orofacial Pain  
Diplomate, American Board of Dental Sleep Medicine

CAPT SUSAN E. HINMAN, DC, USN  
CHAIR, ENDODONTICS  
ASSOCIATE PROFESSOR, Postgraduate Dental College, USUHS  
BA, Hope College  
DDS, University of Michigan School of Dentistry  
MS, Uniformed Services University of the Health Sciences  
Certificate in Endodontics, NPDS  
Diplomate, American Board of Endodontics

CAPT JAYSON H. HUBER, DC, USN  
CHAIR, COMPREHENSIVE DENTISTRY  
ASSISTANT PROFESSOR, Postgraduate Dental College, USUHS  
DDS, University of Texas Health Science Center San Antonio  
MS, The George Washington University  
Certificate in Comprehensive Dentistry, NPDS  
Diplomate, American Board of General Dentistry  
Fellow, Academy of General Dentistry

JEFFREY J. KIM, DDS, PhD  
CHAIR, RESEARCH  
ASSOCIATE PROFESSOR, Postgraduate Dental College, USUHS  
BS, California State Polytechnic University, Pomona  
DDS, University of California, Los Angeles  
PhD, University of California, Los Angeles

CDR BRITTANY L. KURZWEG, DC, USN  
CHAIR, ORAL AND MAXILLOFACIAL RADIOLOGY  
BS, University of Minnesota  
DDS, University of Florida  
MS, University of North Carolina Chapel Hill  
Certificate in Oral and Maxillofacial Radiology, University of North Carolina Chapel Hill  
Diplomate, American Board of Oral & Maxillofacial Radiology

CAPT ANDREA D. LISELL, DC, USN  
ENDODONTICS  
Certificate in Endodontics, Naval Postgraduate Dental School  
Masters in Oral Biology, Uniformed Services University of the Health Sciences  
DMD, Nova Southeastern University  
BS, Florida International University  
Diplomate of the American Board of Endodontics

CAPT KEITH R. MERCHANT, DC, USN  
CHAIR, FACULTY PRACTICE  
ASSOCIATE PROFESSOR, Postgraduate Dental College, USUHS  
BS, Louisiana State University  
DDS, Louisiana State University Health Sciences Center  
MS, Uniformed Services University of the Health Sciences  
Certificate in Periodontology, NPDS  
Diplomate, American Board of Periodontology  
Diplomate, International Congress of Oral Implantologists

CDR WILFREDO PALAU-HERNANDEZ, DC, USN  
CHAIR, ORAL AND MAXILLOFACIAL SURGERY  
ASSISTANT PROFESSOR, Postgraduate Dental College, USUHS  
BS, Virginia Tech  
DDS, Medical College of Virginia  
Certificate in Oral and Maxillofacial Surgery, Naval Medical Center San Diego

CAPT BARRY E. PETERSON, DC, USN  
CHAIR, ORTHODONTICS  
DDS, Virginia Commonwealth University  
MS, Uniformed Services University of the Health Sciences  
Certificate in Orthodontics, Air Force Postgraduate Dental School  
Diplomate, American Board of Orthodontics

CAPT ANTON PETRICH, DC, USN  
PROSTHODONTICS  
ASSISTANT PROFESSOR, Postgraduate Dental College, USUHS  
BS, University of Dayton  
DDS, Ohio State University  
MS, The George Washington University  
Certificate in Prosthodontics, NPDS  
Certificate in Maxillofacial Prosthetics, NPDS  
Diplomate, American Board of Prosthodontics

CDR OMEED A. REZAIETIRABADI, DC, USN  
COMPREHENSIVE DENTISTRY  
BS Sports Medicine, Pepperdine University  
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry  
MS, Uniformed Services University of the Health Sciences  
Certificate General Practice Residency, UCLA School of Dentistry  
Certificate in Comprehensive Dentistry, NPDS  
Diplomate, American Board of General Dentistry

CDR SAMUEL I. RICHARDS, DC, USN  
CHAIR AND PROGRAM DIRECTOR, MAXILLOFACIAL PROSTHETICS  
RESIDENCY PROGRAM DIRECTOR, MAXILLOFACIAL PROSTHODONTICS  
BS, James Madison University  
DDS, University of Maryland, School of Dentistry  
MS, University of Maryland, Baltimore  
Certificate in Prosthodontics, University of Maryland, School of Dentistry  
Certificate in Maxillofacial Prosthodontics, Naval Postgraduate Dental School  
Diplomate, American Board Prosthodontics

LCDR QUINN C. ROBBINS, DC, USN  
RESIDENCY PROGRAM DIRECTOR, ORAL & MAXILLOFACIAL PATHOLOGY  
BS, University of Utah  
DMD, Midwestern University  
MS, Uniformed Services University of the Health Sciences  
Certificate in Oral and Maxillofacial Pathology, NPDS  
Fellow, American Academy of Oral and Maxillofacial Pathology  
Diplomate, American Board of Oral and Maxillofacial Pathology

CDR BLAKE M. ROSACKER, DC, USN  
RESIDENCY PROGRAM DIRECTOR, COMPREHENSIVE DENTISTRY  
ASSISTANT PROFESSOR, Postgraduate Dental College, USUHS  
BA, University of Colorado  
DMD, Case Western Reserve University School of Dental Medicine  
MS, Uniformed Services University of the Health Sciences  
Certificate in Comprehensive Dentistry, NPDS  
Diplomate, American Board of General Dentistry

JOHN E. SCHMIDT, PhD  
CHAIR, DEPARTMENT OF PSYCHOLOGY  
ASSOCIATE PROFESSOR, Postgraduate Dental College, USUHS  
BS, Widener University  
MS, University of Kentucky  
PhD, University of Kentucky  
Internship, Federal Medical Center, Lexington KY  
Postdoctoral Fellowship (Medical Psychology) Mayo Clinic  
Research Fellowship (Integrative Physiology) Mayo Clinic

CDR MATTHEW E. SEEDALL, DC, USN  
CHAIR, ORAL AND MAXILLOFACIAL PATHOLOGY  
DMD, Roseman University School of Dental Medicine  
MS, Uniformed Services University of the Health Sciences  
Certificate in Oral and Maxillofacial Pathology, NPDS  
Diplomate, American Board of Oral & Maxillofacial Pathology

CDR JENNIFER C. STEIGERWALD, DC, USN  
COMPREHENSIVE DENTISTRY  
BS, University of California, San Diego  
DDS, University of California, Los Angeles  
MS, Uniformed Services University of the Health Sciences  
Certificate in Comprehensive Dentistry, NPDS  
Diplomate, American Board of General Dentistry

CDR W. SEAY WALKER, DC, USN  
RESIDENCY PROGRAM DIRECTOR, ENDODONTICS  
BA, College of Charleston  
BS, College of Charleston  
DMD, Medical University of South Carolina  
MS, Uniformed Services University of the Health Sciences  
Certificate in Endodontics, NPDS  
Diplomate, American Board of Endodontics

CAPT JOHN H. WILSON, DC, USN  
CHAIR, PERIODONTICS  
ASSISTANT PROFESSOR, Postgraduate Dental College, USUHS  
BS, University of Georgia  
DMD, Medical College of Georgia  
Certificate in Periodontics, NPDS  
MS, George Washington University  
Diplomate, American Board of Periodontics

CDR STACY YU, DC, USN  
RESIDENCY PROGRAM DIRECTOR, PROSTHODONTICS  
ASSISTANT PROFESSOR, Postgraduate Dental College, USUHS  
BS, University of California Irvine  
DDS, University of California Los Angeles  
Certificate in Prosthodontics, UCLA  
Certificate in Maxillofacial Prosthodontics, UCLA  
Diplomate, American Board of Prosthodontics

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## ADJUNCT CLINICAL FACULTY

Appointees are privileged providers at the Naval Postgraduate Dental School and may be assigned clinical mentoring responsibilities by the Chairpersons of the Advanced Specialty Education Programs at NPDS.

COL David Flint, DC, USA, WRNMMC, Bethesda, MD (Oral and Maxillofacial Pathology)  
COL Alex Smith, DC, USA, WRNMMC, Bethesda, MD (Orofacial Pain)  
CAPT Joseph Molinaro, DC, USN, NMLPDC, Bethesda, MD (Comprehensive Dentistry)  
CAPT Scott Pasieta, DC, USN, Tri-Service Pentagon Dental Clinic, Arlington, VA (Periodontics)  
CAPT Calvin Suffridge, DC, USN, Naval Personnel Command, Millington, TN (Endodontics)  
CDR Brock Johnson, DHA, Falls Church, VA (Orofacial Pain)  
CDR Sepehr Rajaei, DC, USN, WRNMMC, Bethesda, MD (Pediatric Dentistry)  
CDR Barak Wray, DC, USN, Washington Naval Yard (Periodontics)  
LTC Nickoli Dubyk, DC, USA, MRBN, Ft Belvoir, VA (Orofacial pain)  
Dr. Lawrence W. Blank, Rockville, MD (Comprehensive Dentistry)  
Dr. Clayton Cheung, WRNMMC, Bethesda, MD (Pediatric Dentistry)  
Dr. Gael Delaney, Chevy Chase, MD (Endodontics)  
Dr. Thu P. Getka, Bethesda, MD (Periodontics)  
Dr. Alireza Hamidzadeh, Clarksville, MD (Comprehensive Dentistry)  
Dr. Scott Hetz, Washington, DC (Endodontics)  
Dr. Thu Luu, Silver Spring, MD (Comprehensive Dentistry)  
Dr. Gerald Santulli, Tri-Service Pentagon Clinic, Arlington, VA (Prosthodontics)  
Dr. Patricia Tordik, Spring Lake, NJ (Endodontics)

LTC Nickoli Dubyk, DC, USA, MRBN, Ft Belvoir, VA (Orofacial pain)

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## **VISITING FACULTY AND CONSULTANTS**

Appointees serve from September to September of the years indicated. Military personnel serve for the present school year and continue, dependent on future assignments and availability.

### **COMPREHENSIVE DENTISTRY**

#### **Consultants**

Dr. Lawrence Blank, Rockville, MD, 2020-2023

Dr. Donald Worm, Annapolis, MD, 2022-2025

### **ENDODONTICS**

#### **Consultants**

CAPT Terry D. Webb, DC, USN, Naval Hospital Pensacola, FL

CAPT J. Jeffrey Neal, DC, USN, Great Lakes, IL

Mr. Nick Forster, Global Microscopes, 2020-2023

Dr. John Allemang, New Market, MD, 2022-2025

Dr. James Johnson, University of Washington, 2020-2023

Dr. Scott McClanahan, University of Minnesota, 2020-2023

Dr. Stephen P. Niemczyk, Harvard University School of Dental Medicine, 2020-2023

Dr. Patricia A. Tordik, Spring Lake, NJ, 2020-2023

### **MAXILLOFACIAL PROSTHETICS**

#### **Consultants**

Dr. William Wilson, Jr., NOVA Prosthetics, Fairfax, VA, 2020-2023

### **MILITARY DENTISTRY**

#### **Consultants**

RDML Rick Freedman, SHCE, USN, Chief, Navy Dental Corps

CAPT Susan Johnson, DC, USN, BUMED, Arlington, VA

### **OPERATIVE DENTISTRY**

#### **Consultants**

Dr. N. Blaine Cook, Indiana University, 2020-2023

Dr. Kim Diefenderfer, Indiana University, 2020-2023

Dr. Sandra Guzman-Armstrong, University of Iowa, 2020-2023

Dr. Rodrigo Maia, University of Michigan, 2020-2023

Dr. Gisele Neiva, University of Michigan, 2022-2025

Dr. Jeffrey Nordin, University of Tennessee, 2022-2025

Dr. Gustavo Oliveira, University of North Carolina, 2022-2025

Dr. Patricia Pereira, University of Florida, 2022-2025

Dr. Andre Ritter, New York University, 2020-2023

Dr. Peter Yaman, University of Michigan, 2020-2023



## **ORAL DIAGNOSIS/ORAL MEDICINE AND ORAL AND MAXILLOFACIAL RADIOLOGY**

### **Consultants**

Dr. Ronald Brown, Howard University, 2020-2023  
Dr. Dale Miles, Private Practice, Fountain Hills, Arizona, 2020-2023  
Dr. Nelson Rhodus, University of Minnesota, Minneapolis, MN, 2020-2023  
Dr. Thomas Sollecito, University of Pennsylvania School of Dental Medicine, 2020-2023

## **ORAL AND MAXILLOFACIAL PATHOLOGY**

### **Consultants**

Dr. Robert Foss, Joint Pathology Center, Silver Spring, MD, 2024-2027  
Dr. Paul Shick, Joint Pathology Center, Silver Spring, MD, 2024-2027

## **OROFACIAL PAIN**

### **Consultants**

Dr. A. Dale Ehrlich, Louisiana State University School of Dentistry, 2020-2023  
Dr. Marcela Romero Reyes, University of Maryland, 2024-2025

## **ORTHODONTICS**

### **Consultants**

CAPT William Anderson, DC, USN, Tri-Service Orthodontics Residency Program, San Antonio, TX  
Dr. Brent Callegari, University of Texas Health Science Center San Antonio, TX, 2020-2023  
Dr. Jon Moles, Frederick, MD, 2020-2023

## **PEDIATRIC DENTISTRY**

### **Consultants**

CAPT Amy Gavril, MC, USN, WRNMMC, Bethesda, MD  
Dr. Amy Adair, Burke, VA, 2022-2025  
Dr. Charles Bookwalter, Burlington, VT, 2020-2023  
Dr. Charles Carlson, University of Kentucky, Lexington, KY, 2020-2023  
Dr. Vineet Dhar, University of Maryland, MD, 2022-2025  
Dr. J C Shirley, Marietta, GA, 2020-2023

## **PERIODONTICS**

### **Consultants**

Dr. John Mumford, Boise, ID 2022-2025  
Dr. Jon B. Suzuki, Temple University School of Dentistry, 2020-2023  
Dr. Dimitris N. Tatakis, The Ohio State University, 2020-2023

## **PROSTHODONTICS**

### **Consultants**

CAPT Peter Barndt, DC, USN, Naval Branch Health Clinic, Groton, CT

Dr. David Cagna, University of Tennessee, 2020-2023

Dr. Carl Driscoll, University of Maryland, 2020-2023

Dr. Radi Masri, University of Maryland, 2020-2023

Dr. Alan Sutton, University of Colorado, 2020-2023

Dr. Robert Taft, University of Texas San Antonio, 2020-2023

Dr. Thomas Taylor, University of Connecticut, 2020-2023

Dr. William Wilson, Jr., Fairfax, VA, 2020-2023

## **RESEARCH**

### **Consultants**

CAPT Jonathan Stahl DC, USN, NMRC-A, Singapore

Dr. Glen Imamura, Clarksburg, MD, 2022-2025