

USAF/US Army Dental Assistant, Specialist & Laboratory

The names of the .pdf (Adobe Acrobat) files containing subcourses/manuals on this CD can be found in the “Table of Contents” (which also contains the links to detailed descriptions). In order to open a specific manual please note the name of the corresponding file, click “Open File”, select your CD-ROM drive (if it does not get selected automatically), and then double click that file.

The following will make browsing this CD and reading/printing manuals on it much simpler:

- You can always exit the full screen mode by pressing the “ESC” button.
- Clicking the “Bookmark” or “Thumbnails” tab in each subcourse will allow fast transition between screens.

If the links below do not work (which is likely to happen if you are not using a recent version of Adobe Acrobat Reader) you can either install the Reader (the installation file is included on this CD), or quit this screen and open subcourses using a different .pdf viewer.

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91E10 SLIDE SHOWS ▷ DENTAL SPECIALIST PRESENTATIONS (10 presentations)

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USAF DIS Briefings ▷ USAF DENTAL INVESTIGATION SERVICE BRIEFINGS (35 briefings/presentations)

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QTP4Y0X2-2 ▷ DENTAL LABORATORY Vol. 2. Fabricating Fixed Restorations

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QTP4Y0X2-3 ▷ DENTAL LABORATORY Vol. 3. Fabricating Removable and Orthodontic Appliances

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U.S. ARMY DENTAL SPECIALIST COURSE : 91E10

Description: The purpose of the Army Medical Department (AMEDD) Dental Specialist Course is to train AMEDD soldiers to their maximum potential while ensuring that those critically needed technical and field skills are performed to proficiency/standards. Training provided in this course will be used to qualify enlisted personnel for Military Occupational Specialty 91E10 Dental Specialist.

Contents:

- Module A - Basic Dental Theory I
 - Introduction and Orientation
 - Elementary Physiology
 - Dental Microbiology
 - Head Anatomy and Physiology
 - Tooth Morphology and Intra-Oral Anatomy
 - Periodontal Anatomy
 - Personal Hygiene
 - Dental Services and Functions
 - Professional and Patient Relations
- Module B - Basic Dental Theory II
 - Progression of Periodontal Disease
 - Oral Pathology
 - Anomalies
 - General Nutrition in Dentistry
 - Specialty Assisting Concepts
 - Patient Motivation
- Module C - Clinical Concepts
 - Dental Therapeutics
 - Dental Materials
 - Dental Instruments
 - Clinical Emergency Procedures
 - Basic Life Support (BLS)
- Module D - Clinical Applications
 - Dental Administration
 - Dental Treatment Room (DTR) Equipment
 - Infection Control
 - Four-Handed Dentistry Concepts
 - General Assisting Procedures
 - Surgical Assisting Procedures
 - Dental Radiology
 - Dental Radiology Performance
 - Anticariogenic Agents
 - Concepts and Techniques of Oral Hygiene

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DENTAL SPECIALIST PRESENTATIONS : 91E10 SLIDE SHOWS

Description: Various PowerPoint Lessons/Presentations (converted to .pdf) from the U.S. ARMY DENTAL SPECIALIST COURSE

Contents: ● A-4 (HEAD ANATOMY and PHYSIOLOGY).pdf ● A-5 (TOOTH MORPHOLOGY AND INTRA-ORAL ANATOMY).pdf ● A-7 (PERSONAL HYGIENE).pdf ● C-3 (dental instruments).pdf ● C-4 (Clinical Emergencies).pdf ● C-5 (BASIC CARDIAC LIFE SUPPORT).pdf ● D-1 (Dental Administration).pdf ● D-8 (DENTAL RADIOLOGY).pdf ● D-9 (ANTICARIOGENIC AGENTS).pdf ● D-10 (Concepts and Techniques of Oral Hygiene).pdf

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USAF DENTAL INVESTIGATION SERVICE BRIEFINGS : USAF DIS Briefings

Description: Various PowerPoint Briefings/Presentations (converted to .pdf)

Contents: • Field Digital Radiology • Acute Periodontal Conditions • Amalgam Bonding
• Amalgam • Aqueous Elastomeric Impression Materials • Basic Properties of Dental Materials
• Bloodborne Pathogens Briefing • Casualty Management • CDC Guidelines for Infection Control
in Dental Health-Care Settings - 2003 • Cements • Custom Earpiece and Facemask Fabrication
Briefing • Dental Alloys Used in Prosthodontics • Dental Classification Answer Key • Dental
Classification Answer Sheet • Dental Classification Briefing • Dental Infection Control Briefing
• Dental Readiness Training for Medical Providers Part 1 • Dental Readiness Training for Medical
Providers Part 2 • Dentin Bonding Agents • Ergonomics in Dentistry Briefing • Field Dental
System Training • Fracture Diagnosis and Initial Stabilization • Glass-Ionomer Cements
• Gypsum • Home Bleaching • Infection Control and ART in Humanitarian Missions • Infection
Control Practices for Dental Radiology • Intravenous Sedation Monitoring • Maxillofacial Trauma
Briefing • Nonaqueous Elastomeric Impression Materials • Odontogenic Infections • Provisional
Crown and Bridge Materials • Resin Composites • Tooth Trauma • Year 2000 USAF Dental
Infection Control Guidelines

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DENTAL ASSISTANT Vol. 1. Basic Skills : QTP4Y0X1-1

Description: Qualification Training Package (QTP) contains modules on performing equipment user maintenance, clinical hygiene, sterilization procedures, evaluating patients for contraindications, maintaining material and instruments, and storage and disposal of dangerous/flammable materials. The QTPs are designed to enhance the 3-, 5- and 7-skill level OJT of dental assistant personnel.

Contents:

- Module 1 Dental Equipment User Maintenance
- Module 2 Clinical Hygiene
- Module 3 Sterilization Procedures
- Module 4 Evaluating Patients for Contraindications
- Module 5 Maintaining Materials and Instruments in the DTR
- Module 6 Storing Dangerous/Flammable Materials in the DTR
- Module 7 Storing and Discarding Disposable "Sharps" and Turn-in to Supply

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DENTAL ASSISTANT Vol. 2. Clinical Skills - Radiology : QTP4Y0X1-2

Description: Qualification Training Package (QTP) contains modules on the production, duplication, processing, and mounting of dental radiographs and the application of radiation safety.

Contents:

- Module 1 Adjusting Dental Radiographic Equipment
- Module 2 Exercising Radiation Safety
- Module 3 Producing Dental Radiographs Using the Paralleling Technique
- Module 3A Exposing Periapical Radiographs Using the Paralleling Technique
- Module 3B Exposing Horizontal Bitewing Radiographs Using the Paralleling Technique
- Module 3C Exposing Vertical Bitewing Radiographs Using the Paralleling Technique
- Module 4 Exposing Endodontic Radiographs Using the Bisecting Angle Technique
- Module 5 Exposing Occlusal Radiographs Using The Bisecting Angle Technique
- Module 6 Exposing Panoramic Radiographs
- Module 7 Processing, Mounting And Labeling Dental Radiographs
- Module 8 Using The Portable Manual Developer
- Module 9 Duplicating Dental Radiographs

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DENTAL ASSISTANT Vol. 3. Clinical Skills - Chairside Assisting : QTP4Y0X1-3

Description: Qualification Training Package (QTP) contains modules on the preparation of restorative materials and the performance of chairside assisting duties with general dentistry, oral surgery, prosthodontic, endodontic, periodontic, and examination procedures.

Contents:

- Module 1 Perform Four-handed Dentistry Techniques
- Module 2 Maintaining a Treatment Site
- Module 3 Assemble and Disassemble an Anesthetic Syringe
- Module 4 Prepare, Place and Remove the Rubber Dam
- Module 5 Prepare a Matrix
- Module 6 Prepare Bases, Cavity Liners, Temporary, Sedative, and Cementing Materials
- Module 7 Prepare Dental Amalgam
- Module 8 Prepare Composite Materials
- Module 9 Prepare Glass Ionomer Materials
- Module 10 Prepare Elastomeric Impression Materials
- Module 11 Assist Examination Procedures
- Module 12 Assist Restorative Dentistry Procedures
- Module 13 Assist Endodontic Procedures
- Module 14 Assist Periodontal Procedures
- Module 15 Assist Prosthodontic Procedures
- Module 16 Laboratory Procedures
- Module 17 Clinical Oral Surgery Procedures

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DENTAL ASSISTANT Vol. 4. Clinical Skills - Preventive Dentistry : QTP4Y0X1-4

Description: Qualification Training Package (QTP) contains modules on patient preparation, calculus removal, oral hygiene instruction, periodontal instrument usage, anticariogenic agent application, and sealant placement.

Contents: ● Module 1 Prepare Treatment Room/Patient for Treatment ● Module 2 Identify Calculus on Diagnostic Radiographs ● Module 3 Perform Screening Examinations ● Module 4 Instruct Patients on Personal Oral Hygiene Techniques and Devices ● Module 5 Instruct Patients on Effects of Tobacco Use ● Module 6 Instruct Patients in the Care of Implants ● Module 7 Sharpen Periodontal Scaling Instruments ● Module 8 Remove Accumulated Supragingival Deposits ● Module 8A Remove Accumulated Supragingival Deposits Using Hand Instruments ● Module 8B Remove Accumulated Supragingival Deposits Using Ultrasonic Devices ● Module 8C Remove Supragingival Deposits Using Sonic Scaling Units ● Module 9 Polish Teeth ● Module 9A Remove External Stains Using a Prophy Jet ● Module 9B Remove External Stains Using a Prophy Handpiece ● Module 10 Apply Topical Anticariogenic Agents ● Module 11 Apply Pit and Fissure Sealants

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DENTAL ASSISTANT Vol. 5. Patient Administration - Procedures and Programs : QTP4Y0X1-5

Description: Qualification Training Package (QTP) contains modules on verifying patient eligibility, the initiation of dental health records, preparing medical consultations, charting records, identifying types of exams and dental readiness classifications, and managing the movement of records.

Contents:

- Module 1 Verify Patient Eligibility for Care and Scheduling Patient for an Appointment
- Module 2 Initiate Dental Health Records
- Module 3 Assist with Requests for Medical Service Consultations
- Module 4 Identify Types and Requirements of Dental Exams
- Module 5 Record Information in the Dental Health Records
- Module 5A Chart Missing Teeth and Existing Restorations
- Module 5B Chart Diseases and Abnormalities
- Module 5C Record Information on Patient Treatment Forms
- Module 5D Identify Personnel and Population Health Risk Factors
- Module 6 File Dental Health Records
- Module 7 Management of Dental Health Records
- Module 7A Managing the Annual Inventory of Dental Records
- Module 7B Managing the Transfer of Dental Records
- Module 7C Managing the Retirement of Dental Records
- Module 8 Managing Aspects of Air Force Dental Readiness Assurance Program (AFDRAP)
- Module 8A Periodic Dental Examination
- Module 8B Dental Readiness Class 3 and 4
- Module 8C Dental Clearances

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DENTAL ASSISTANT Vol. 6. Logistics Management : QTP4Y0X1-6

Description: Qualification Training Package (QTP) contains modules on maintaining logistics documentation, procedures for maintaining logistics publications, requesting supplies and equipment, managing stock levels, and storing of materials.

Contents: • Module 1 Maintaining Logistics Publications and Records • Module 2 Preparing Request for Issue/Turn-in of Supplies/Equipment • Module 3 Managing Stock Levels • Module 4 Storing Dangerous/Flammable Materials • Module 5 Storing and Turning-in Disposable Items • Module 6 Using Medical Equipment or Logistic Report Listings • Module 7 Reporting Unsatisfactory Supplies or Equipment • Module 8 Managing the User Maintenance Program • Module 9 Reporting Defective Equipment and Utilities for Corrective Action

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DENTAL ASSISTANT Vol. 7. Clinic Management : QTP4Y0X1-7

Description: Qualification Training Package (QTP) contains modules on processing, producing and maintaining dental reports, preparing management reports, operating instructions and official correspondence, management of financial requirements, and the evaluation of staffing requirements.

Contents: ● Module 1 Processing and Maintaining Automated Dental Treatment Data ● Module 2 Producing and Maintaining Dental Reports ● Module 3 Interpreting Automated Treatment Data ● Module 4 Preparing Management Reports ● Module 5 Preparing Operating Instructions ● Module 6 Preparing Official Correspondence ● Module 7 Managing Financial Requirements ● Module 8 Evaluating Staffing Requirements

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DENTAL ASSISTANT Vol. 8. Supervision and Training : QTP4Y0X1-8

Description: Qualification Training Package (QTP) contains modules on orienting personnel, writing job descriptions, managing work assignments and priorities, evaluating and counselling personnel on work/training issues, managing training programs and records.

Contents: • Module 1 Orienting New Personnel • Module 2 Prepare Written Job Descriptions
• Module 3 Plan Work Assignments and Priorities • Module 4 Evaluate Work Methods and Performance Standards • Module 4A Evaluate Performance of Personnel and Trainees • Module 4B Counsel Personnel to Resolve Individual and Management Problems • Module 4C Initiate Action To Correct Substandard Behavior • Module 5 Maintain Training Records • Module 6 Evaluate Personnel to Determine Need for Training • Module 7 Conduct Training

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DENTAL LABORATORY Vol. 1. General Skills : QTP4Y0X2-1

Description: QTP contains modules on constructing casts and custom impression trays, mounting casts, repairing prostheses, and operating and maintaining equipment. This QTP is designed to enhance 5- and 7-skill level OJT of dental laboratory personnel. All four QTPs are intended to be used by trainees, trainers, supervisors, and task certifiers.

Contents: ● Module 1. Constructing Casts for Complete Dentures ● Module 2. Constructing Casts for Removable Partial Dentures (RPD) ● Module 3. Constructing Impression Trays for the Altered Cast Technique ● Module 4. Constructing Altered Casts ● Module 5. Constructing Fixed Prosthodontic Casts ● Module 6. Constructing Orthodontic Study Models ● Module 7. Constructing Custom Impression Trays ● Module 8. Mounting Casts using the Arbitrary Method ● Module 9. Adjusting Condylar Guidance of a Hanau Articulator Using Intraoral Records ● Module 10. Mounting Casts using the Facebow Transfer Technique ● Module 11. Adjusting Condylar Guidance of a Whip-Mix Articulator Using Intraoral Records ● Module 12. Adjusting Condylar Guidance of a Hanau Articulator Using Occlusal Contacts ● Module 13. Repairing Fractured Denture Bases using Acrylic Resin ● Module 14. Replacing Denture Teeth on Complete or Removable Partial Denture Bases ● Module 15. Repairing Removable Prostheses using Solder ● Module 16. Operating Cast Trimmers ● Module 17. Maintaining a Hanau H2 Articulator

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DENTAL LABORATORY Vol. 2. Fabricating Fixed Restorations : QTP4Y0X2-2

Description: QTP contains modules on such procedures as fabricating post and cores; interim restorations; full gold, metal-ceramic, and metal-resin restorations, and porcelain laminate veneers.

Contents: • Module 1. Fabricating Post and Cores • Module 2. Fabricating Interim Crowns and Fixed Partial Dentures • Module 3. Waxing Fixed Prosthodontic Patterns to Anatomical Form • Module 4. Constructing Custom Incisal Guide Tables • Module 5. Waxing Metal-Ceramic and Metal-Resin Substructure Patterns • Module 6. Spruing and Investing Wax Patterns • Module 7. Casting Fixed Restorations • Module 8. Finishing and Polishing Fixed Restorations • Module 9. Soldering Crowns • Module 10. Soldering Fixed Partial Dentures • Module 11. Veneering Metal-Resin Restorations • Module 12. Finishing Metal-Ceramic Restorations • Module 13. Presoldering Metal-Ceramic Substructures • Module 14. Opaquing Metal-Ceramic Substructures • Module 15. Building Porcelain to Anatomical Form • Module 16. Firing Porcelain Restorations • Module 17. Contouring Metal-Ceramic Restorations • Module 18. Staining and Glazing Metal-Ceramic Restorations • Module 19. Postsoldering Metal-Ceramic Restorations • Module 20. Fabricating Metal-Ceramic Fixed Partial Dentures • Module 21. Fabricating Surveyed Crowns • Module 22. Fabricating Fixed Restorations using Nonrigid Connectors ... and more

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DENTAL LABORATORY Vol. 3. Fabricating Removable and Orthodontic Appliances : QTP4Y0X2-3

Description: QTP contains modules on such procedures as fabricating mouthguards, fluoride carriers, interim removable partial dentures, temporomandibular joint dysfunction (TMD) appliances, periodontal stents, surgical splints, complete and removable partial denture bases, space maintainers, Hawley retainers, relining removable prostheses, and rebasing complete dentures.

Contents: ● Module 1. Fabricating Athletic Mouthguards and Fluoride Carriers ● Module 2. Fabricating Interim Removable Partial Dentures (RPD) ● Module 3. Fabricating Temporomandibular Joint Dysfunction (TMD) Appliances ● Module 4. Fabricating Periodontal Stents ● Module 5. Fabricating Surgical Splints ● Module 6. Constructing Record Bases and Occlusal Rims ● Module 7. Arranging Denture Teeth for Bilateral Balanced Occlusion ● Module 8. Arranging Teeth for Monoplane Occlusion ● Module 9. Arranging Teeth for Crossbite Occlusion ● Module 10. Arranging Teeth for Opposing Natural Dentition ● Module 11. Arranging Teeth for Lingualized Occlusion ● Module 12. Waxing Complete Denture Bases ● Module 13. Processing Complete Denture Bases ● Module 14. Applying Denture Base Stains ● Module 15. Restoring The Occlusion of Processed Complete and Removable Partial Dentures ● Module 16. Constructing Remounting Indices and Remount Casts ● Module 17. Finishing and Polishing Complete Dentures ... and more

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DENTAL LABORATORY Vol. 4. Administration and Management : QTP4Y0X2-4

Description: QTP contains modules on managing inventories of artificial teeth and precious metals, preparing budgets, maintaining official files, managing supplies and equipment, reporting treatment data, and evaluating staffing requirements.

Contents:

- Module 1. Inspecting Quality of Clinical Casework Received
- Module 2. Inspecting Quality of Laboratory Casework Completed
- Module 3. Managing an Inventory of Artificial Teeth
- Module 4. Managing the Dental Register of Precious Metals and Alloys
- Module 5. Managing Financial Requirements
- Module 6. Maintaining Administrative Files
- Module 7. Preparing Request for Issue/Turn-In Supplies and Equipment
- Module 8. Managing Stock Levels
- Module 9. Storing Dangerous Materials
- Module 10. Storing and Turning-In Disposable Items
- Module 11. Using Medical Equipment or Supply Report Listings
- Module 12. Reporting Unsatisfactory Supplies or Equipment
- Module 13. Managing the User Maintenance Program
- Module 14. Reporting Defective Equipment and Utilities for Corrective Action
- Module 15. Processing and Maintaining Automated Dental Treatment Data
- Module 16. Producing and Maintaining Dental Reports
- Module 17. Interpreting Automated Treatment Data
- Module 18. Preparing Official Correspondence
- Module 19. Preparing Management Reports ... and more

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