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FORENSIC ODONTOLOGY

with Dan Hines, MS, CDT, US Air Force (MSgt ret.)

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INTRODUCTION TO FORENSIC ODONTOLOGY

PROTOCOLS • NEW TECHNOLOGIES • CASE STUDIES

with

DAN HINES

MS, CDT, US AIR FORCE (MSGT RET.)



FRIDAY, FEBRUARY 26, 2027
Tucson, Arizona

SATURDAY, FEBRUARY 27, 2027
Tempe, Arizona

ABOUT THE SPEAKER



Dan Hines MS, CDT, U.S. Air Force (MSgt ret.) served 20 years in U.S. Air Force as a dental laboratory technician. He has served the Armed Forces Medical Examiner System for the past 29 years as a member of the military, contractor, and civil service employee. He has supported dozens of mass fatalities and helped to process over 10,000 sets of remains. He has supported the bombing of the Embassies in Kenya, the bombing of the USS Cole, the Fort Hood massacre, the 9/11 attack on the Pentagon, The Space shuttle disaster, earthquake in Haiti, attack on Benghazi and Operation's Iraqi and Enduring Freedom, Inherent Resolve, Freedom's Sentinel and New Dawn.

He also serves as a consultant in forensic dentistry and trained over 50 medical examiner offices throughout the country. He continues to train all branches of the United States Military. He has briefed congressional members and representatives on advances in forensic technologies for victim identification during mass disasters. He served as the laboratory coordinator for the Armed Forces Institute of Pathology and the U.S Public Health Forensic Dentistry Course and has serves as a speaker on the topics of Forensic Dentistry and Forensic Dentistry Database Management for Mass Disasters. Dan is a member of the American Society of Forensic Odontology and is the recipient of the 2021 Haskell M. Pitluck Award presented by the American Board of Forensic Odontology given to a non-odontologist that has served the ABFO community in an exemplary fashion.

The speaker receives no support from any commercial organization and does not promote any commercial products or sell any tapes, books, instruments, forms or other materials for this course.

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SEMINAR LOCATIONS

FRIDAY, FEBRUARY 26, 2027

Hilton Garden Inn Tucson Airport
6575 S. Country Club Rd
Tucson, AZ 85756
(520) 741-0505

Day of Parking: ***Complimentary.*** Use hotel lots.
Rooms: Ask for best available rate.

SATURDAY, FEBRUARY 27, 2027

Hilton Garden Inn Phoenix Tempe University Research Park
7290 Price Rd
Tempe, AZ 85283
(480) 897-5100

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Add $15 per registrant if after February 19

WHAT'S INCLUDED

- Continental Breakfast
- Coffee Break
- Course Manual
- Lunch
- Dessert Break
- Certificate for 8 CE Credits*

** 8 CEUs are awarded based on attendance of entirety of lecture. Late arrival or early departure will result in adjustment of credit.*

COURSE DESCRIPTION

Introduction to Forensic Odontology

Attendees will receive an introduction into forensic odontology from a military and civilian aspect and the role dental odontology plays in the identifications of deceased individuals. The importance of a legal declaration of identification. How forensic odontology integrates into the forensic process during a mass casualty/disaster. The different methods of scientific identification. Organization and management of the forensic dental team and how to operate in a forensic environment. A study of a basic dental identification examination to include creation of antemortem record, postmortem radiography and summary findings report. Dealing with the conditions of the remains to include skeletonized, fragmented, decomposed and burned remains. Use of technology in mass disaster management. How to get involved through your local, state, and federal disaster management organizations will be presented

Operation Noble Eagle (9/11 Attack on the Pentagon)

Attendees will learn about the 9/11 attack on the Pentagon. The toll that resulted from American Airlines 77 deliberate impact into the E Ring of the Pentagon. The decisions on jurisdiction, dental radiology, comparison software will be discussed. The mass disaster management response (from a dental forensics perspective) to the attack, code name "Operation Noble Eagle" will be covered. How to organize a dental team to complete antemortem and postmortem examinations for purposes of positive identification. The final outcomes of "Operation Noble Eagle" and the lessons learned. The impact that 9/11 had on future mass disaster management operations for the military.

"Love of Country" (How the United States Repatriates their Fallen Heroes)

Attendees will learn how the United States repatriates their military members who are killed in action, from the dignified transfer to the final send off. Discussion will cover the organizations and their missions, to include the Joint Personal Effects Depot, Armed Forces Medical Examiner System, and the Air Force Mortuary Affairs Operations. An overview of mass disasters processed at these facilities will be presented, to include the Space Shuttle Disaster, Operation Enduring Freedom, Operation Iraqi Freedom and other notable mass disasters. Case study presentations where dental odontology played a major role in the identification of military members killed in action.

"Fulfilling Our Nation's Promise" (Defense POW/MIA Accounting Agency)

The DPAA's mission is to provide the fullest possible accounting for U.S. personnel from past wars and conflicts who remain prisoners of war (POW) or missing in action (MIA) by conducting investigations, excavating loss sites, recovering remains, and identifying the fallen to provide closure for their families and the country. Attendees will learn about how the United States continues this mission today. This presentation will cover the DPAA Mission, facilities, and personnel. The current areas of past wars and conflicts. Makeup of search and recovery teams. The identification process and repatriation of positively identified military members. Case study presentations where dental odontology played a major role in the identification of military members.

LEARNING OBJECTIVES

Upon completion of this course, attendees will be able to:

- Define forensic odontology
- Understand the importance of scientific identification
- Know the difference methods of identification
- Understand jurisdiction
- Understand how to obtain antemortem records for dental identification
- Understand the concepts of a basic dental forensic examination
- Understand the difference in forensic dental charting
- Understand the use of technology in forensic odontology
- Know the different avenues to learn more about and how to get involved in forensic odontology
- Define mass disaster
- Understand how to prepare for a mass disaster
- Understand how to manage the dental section in support of a mass disaster
- Understand the Federal Government's response to mass disasters within their jurisdiction
- Understand the organizations and their missions within the Department of Defense
- Understand how the United States repatriates military members who are Killed in Action
- Understand how the United States accounts for U.S. military personnel from past wars and conflicts who remain prisoners of war (POW) or missing in action (MIA)

COURSE AT A GLANCE

7:45 - 8:30 AM Registration & Continental Breakfast

12:30 - 1 PM Lunch Included

8:30 AM - 5 PM Course Hours 8 CE Credits

COURSE OUTLINE

INTRODUCTION TO FORENSIC ODONTOLOGY — 01

- **Forensic Odontology Defined**
  - Definition • Importance of Identification • Jurisdiction
  - Forensic Dental Team • Methods of Identification
- **Dental Forensic Examination**
  - Conditions of Remains • Antemortem • Postmortem • Charting
  - Summary Report
- **Technology**
  - Digital Radiograph • Comparison Applications • A.I.
- **How to get involved**
  - Forensic Dentistry Orgs • Local & State Agencies • National Agencies

OPERATION NOBLE EAGLE — 02

- **The Toll**
  - The Pentagon • The Attack • Jurisdiction
- **Decisions**
  - Radiology Approach • Comparison Approach • Obstacles
  - Final Decisions
- **Dental Forensic Response**
  - The Dental Team • Condition of Remains • Antemortem
  - Postmortem • Summary Reports
- **Outcomes**
  - Identifications • Lessons

LOVE OF COUNTRY — 03

- **Organizations/Missions**
  - Joint Personal Effects Depot (JPED)
  - Armed Forces Medical Examiner System (AFMES)
    - Forensic Pathology Investigations (FPI)
    - Armed Forces DNA Identification Laboratory (AFDIL)
    - Forensic Toxicology (ForTox)
  - Air Force Mortuary Affairs Operations (AFMAO)
    - Dignified Transfers
- **Mass Disasters/Fatalities**
  - Mass Disaster Defined • Space Shuttle • Operation Enduring Freedom
  - Operation Iraqi Freedom • Other notable Mass disasters/Fatalities
- **Case Studies**
  - Desert Shield Navy Pilot • Khobar Towers Air Force Crew Chief
  - Iraqi Freedom Air Force Pilot

FULFILLING OUR NATION'S PROMISE — 04

- **DPAA Overview**
  - Mission • Facilities • Personnel • Casualty Dat
- **Recovery/Identification Process**
  - Areas of Past Wars and Conflicts • Site Selection
  - Search and Recovery Team • Identification
- **Repatriation**
  - Repatriation Process • Case Studies

Mr. Hines' seminar will use a traditional Power Point lecture format with embedded videos to present concepts and case studies. The presentation will also encourage audience discussion, participants will have multiple opportunities to ask questions throughout the course of the seminar. Due to the nature of the information being presented the speaker respectfully requests that no photography or videography be permitted.

Confirmations will be emailed 2 weeks prior to the seminar. Please provide a unique email for all registrants.

REGISTRATION FORM

Cost: **$310** for Dentists / **$205** for RDHs and Aux. / U.S. Funds
$180 for RDHs + Aux. registering & attending w/ Dentist
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Please *clearly* enter your name as it appears with the State Board of Dental Examiners for your CE credit.

Refunds / Cancellation Dates: Please see policy on reverse side. By registering, you agree to the Terms of Policy.

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☐ **2/26/27 • *Tucson, AZ***
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