Department of Veterans Affairs, Institute for Learning, Education and Development (ILEAD)

and

VISN22 - Desert Pacific Healthcare Network

Present

VA's First International Virtual Symposium on Artificial Intelligence in Dentistry

VHA TRAIN 1122725 / BIS ID 22023

Program Start: October 11, 2024 **Program End:** October 11, 2024

Registration Deadline
Deadline is prior to Session Date of 10.11.2024

Place
VHA TRAIN Online: https://www.train.org/vha/course/1122725/live-event

Purpose Statement
Dental practitioners are often uninformed and therefore ill-equipped to make decisions pertaining to the clinical applications of Artificial Intelligence (AI), Software as a Medical Device (SaMD), and associated Clinical Decision Support Systems (CDSS). A 2022 published survey suggests that busy clinicians have neither the time, inclination, or expertise to pursue the fundamental knowledge necessary to understand the complex issues involved in developing and deploying AI, SaMD, and CDSS tools. Yet, AI is developing with breathtaking speed; it is imperative that clinicians gain a basic understanding of the fundamentals of AI technology so that it can be deployed safely and effectively into clinical practice.

The purpose of the International Virtual Symposium on Artificial Intelligence in Dentistry is to provide event participants and interprofessional health care teams with a fundamental understanding of artificial intelligence (AI) as it relates to SaMD, CDSS, and related applications. The expected outcome of this live, virtual knowledge-based training is that participants will gain a broad understanding of AI uses in dental practice. Participants will learn advantages and pitfalls of incorporating AI and Software as Medical Devices (SaMD) into the clinical environment. Most importantly, it will provide dental healthcare providers with a basis for evaluating AI modalities and Clinical Decision Support Tools before incorporating them into clinical practice. This program will include national and international speakers, industry representatives, and content experts from government, academia, and private sector.

Target Audience

The primary target audience for this activity consists of dentists, nurses, and nurse practitioners. The secondary target audience for this activity consists of clinical staff.

Outcome/Objectives

At the conclusion of this educational program, learners will be able to:

1. describe broad concepts of AI, its uses in health care, current applicable VA policy framework, and available resources;
2. explain AI software development in Dentistry, including Deep Learning and Supervised Learning, to potentially improve clinical outcomes;
3. explain potential applications of current FDA-approved AI software devices in diagnosis and treatment planning in Dentistry;
4. identify at least two AI technologies' potential uses in efficient dental charting, note documentation, and generating reports;
5. identify at least two potential risks and ethical considerations in use of AI augmented software devices; and
6. list at least two AI possible uses beyond diagnostic aids in Dentistry.

Registration/Participation in the Activity Procedure

1. Length of course: 5.25 credit hours
2. Review TRAIN Program Brochure
3. Attend and participate in 100% of program activity
4. Complete Program Evaluation **no later than** 15 days following session

Instructions to Complete Activity

Be sure to pre-register in VHA TRAIN prior to the program start date and time.

1. The meeting link and dial information are provided in your VHA TRAIN account dashboard upon completion of your VHA TRAIN registration.
2. Participants will need to follow the instructions provided to enter the webcast/webinar.
3. Participants must complete all of the program requirements from their VHA TRAIN account dashboard

Course Launch (Live Webinar)

If this is a Live webinar (Microsoft Teams meeting) program- please follow these steps:

1. Log into your TRAIN account: www.vha.train.org
2. Select "Your Learning" Tab (located on the top of your TRAIN Dashboard)
3. Select the Live Webcast course-title link
4. Select the Resources tab
5. Select the attachment link stating: **SAVE NOW: Link to live lecture and instructions**
6. Course adobe connect/call in information is now available

Course Completion (Live Webcast)

If this is a Live webcast course- please follow these steps:

1. Log into your TRAIN account: www.vha.train.org
2. Select "Your Learning" tab (located on the top of your TRAIN Dashboard)
3. Select the Live Webcast course-title link
4. Review- that you've selected the correct CME/CEU for this program- if not, please make the update to the CME-CEU you are seeking.
5. Mark your attendance- by selecting the "COMPLETE" tab
6. TRAIN will prompt you to complete the Post-Test Exam (80% passing score) **** Note not all course work will have a post-Test Exam**
7. If a course does not have a post-test exam the system will automatically prompt to item #8 below
8. TRAIN will prompt you to complete the Course Evaluation
9. All Requirements for this program must be completed in your TRAIN account Dashboard No later than 15 days from the course delivery date.

Certification of Completion:

1. Complete the appropriate steps above to complete activity
2. Select "Your Learning" tab (located on the top of your TRAIN dashboard)
3. Select "Your Certificates"
4. Select the Certificate of Completion

Accreditation/Approval

The accreditation organizations for this course are listed below.

Joint Accreditation for Interprofessional Continuing Education (JA IPCE)

In support of improving patient care, Department of Veterans Affairs (VA), Veterans Health Administration (VHA) is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

American Nurses Credentialing Center (ANCC)

Department of Veterans Affairs (VA), Veterans Health Administration (VHA) is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Note: ANCC continuing nursing education contact hours are not accepted by the California Board of Registered Nursing (CA BRN) toward license renewal for CA-licensed registered nurses (RNs) and advanced practice nurses (APNs), unless the CA-licensed nurse-participants are physically outside of the state of CA when they start and complete activities sponsored by an ANCC accredited provider of continuing education for nurses. Please note: Due to the aforementioned restriction, all Face-to Face and Live

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Virtual courses streaming from California for a California audience must be designated for CA BRN in addition to ANCC.

California Board of Registered Nursing (CA BRN)

Department of Veterans Affairs (VA), Veterans Health Administration (VHA) is accredited as a provider of continuing education in nursing by the California Board of Registered Nursing. Provider approved by the California Board of Registered Nursing: Provider Number **CEP 4714**.

American Dental Association (ADA) / Continuing Education Recognition Program (CERP)

Department of Veterans Affairs (VA), Veterans Health Administration (VHA) is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry

Designation of Continuing Education

Joint Accreditation for Interprofessional Continuing Education (JA IPCE)

In support of improving patient care, Department of Veterans Affairs (VA), Veterans Health Administration (VHA) is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

American Nurses Credentialing Center (ANCC)

Department of Veterans Affairs (VA), Veterans Health Administration (VHA) designates this educational activity for 5.25 contact hours in continuing nursing education.

Note: ANCC continuing nursing education contact hours are not accepted by the California Board of Registered Nursing (CA BRN) toward license renewal for CA-licensed registered nurses (RNs) and advanced practice nurses (APNs), unless the CA-licensed nurse-participants are physically outside of the state of CA when they start and complete activities sponsored by an ANCC accredited provider of continuing education for nurses. Please note: Due to the aforementioned restriction, all Face-to Face physically taking place in CA and Live Virtual courses streaming from California for a California audience must be designated for CA BRN in addition to ANCC.

California Board of Registered Nursing (CA BRN)

This continuing education activity has been presented by the Department of Veterans Affairs (VA), Veterans Health Administration (VHA) for 5.25 contact hours. Provider approved by the California Board of Registered Nursing: Provider Number **CEP 4714.**

American Dental Association (ADA)

ADA American Dental Association®
America's Leading advocate for oral health

Department of Veterans Affairs (VA), Veterans Health Administration (VHA) designates this activity for 5.25 continuing education credits.

Statement of Participation

A certificate of completion will be awarded to participants and accreditation records will be on file at ILEAD. In order to receive a certificate of completion from ILEAD, you must register in the VHA TRAIN, attend 100% of the program and complete the evaluation as directed in VHA TRAIN, and then: go into your TRAIN account Dashboard, and select "My Certificates" tab to print the accredited certificate.

*Attention Pharmacists, Pharmacist Technicians, Internal Medicine Physicians, Physical Therapists, Respiratory Therapists and Optometrists:

To enable ILEAD's ability to report learning to accrediting bodies, state boards, professional associations/certifications and jurisdictions, all clinicians listed above must enter their professional license number(s) in TRAIN.

Report of Training

It is the program participant's responsibility to ensure that this training is documented in the appropriate location according to his/her locally prescribed process.

Program Schedule

Program Schedule Date: 10/11/2024

Live Virtual

Time	Topic/Title of Content	Faculty
10:45 AM – 10:50 AM	Opening Remarks by Medical Center Director • Leadership Emphasis • Ethical considerations in use of AI in healthcare	Robert Merchant
10:50 AM – 11:00 AM	Remarks by the Assistance Under Secretary for Health for Dentistry • AI uses in healthcare	Christine LaMarre

Time	Topic/Title of Content	Faculty
11:00 AM – 11:05 AM	Scientific Session Program Overview • Learning objectives	Owais A. Farooqi
11:05 AM – 11:30 AM	Introduction to AI and Trustworthy Policy for Healthcare Operations • Introduction to AI • VA's role in ensuring AI's safe usage • Bias, equity, and fairness • Trusthworthiness	Joshua Mueller
11:30 AM – 11:55 AM	An eye on AI for planning surgical procedures in oral healthcare • Planning surgical interventions • Predicting potential complications • Robot-assisted surgeries	Reinhilde Jacobs
11:55 AM – 12:20 PM	Deep Learning / Cone Beam Computed Tomography (CBCT) and Implant Placement Planning • Improving treatment planning using CBCT with AI for Dental Implants	Ibrahim Bayrakdar
12:20 PM – 12:45 PM	Remote Monitoring of Oral Health • Tools for remote monitoring of oral health • Improving access and efficiency	Philippe Salah
12:45 PM – 1:00 PM	Moderated Panel Q &A Session • Trustworthy Policy • Planning surgical procedures • Deep Learning / Cone Beam Computed Tomography (CBCT)	Donal DeNucci Elizabeth Nunez
1:00 PM – 1:05 PM	**Break**	
1:05 PM – 1:30 PM	AI technologies in improving efficiency • Dental charting • Documentation • Generating healthcare reports	Dmitri Tuzoff

Time	Topic/Title of Content	Faculty
1:30 PM – 1:55 PM	AI and its impact in dento-maxillofacial radiology - a true disruptor? • Automatic marking of anatomical structures • Determination of early dental diseases	Michael Bornstein
1:55 PM – 2:20 PM	AI and Precision Cariology • AI to aid in the diagnosis of deep caries and pulpitis	Falk Schwendicke
2:20 PM – 2:35 PM	Moderated Panel Q &A Session • Improving efficiency • Automatic marking and determination of early dental diseases • Precision Cariology	Donal DeNucci Elizabeth Nunez
2:35 PM – 2:40 PM	**Break**	
2:40 PM – 3:05 PM	The Revolutionary Impact Artificial Intelligence on Dentistry • Transformation role of AI in Dentistry and its most recent advances	Christopher Balaban
3:05 PM – 3:30 PM	Upcoming Dental AI Beyond Clinical Diagnostic Aides • AI uses beyond clinical aides to improve clinical practice	Adam Foresman
3:30 PM – 3:55 PM	AI in the "real" world clinical practice • Practice of AI in clinical dental practices • Pros and Cons	Seth A. Gibree
3:55 PM – 4:15 PM	Moderated Panel Question & Answer Session • The revolutionary impact of AI • Advanced patient management systems • Real world clinical practice	Donal Denucci Elizabeth Nunez
4:15 PM	**Adjourn**	

Faculty and Planning Committee Listing
* Denote planning committee member
+ Denotes faculty

+Christopher Balaban, DMD, MSc, FACD Vice President, Clinical Affairs Overjet AI Los Angeles, CA	+Ibrahim Bayrakdar, DDS, PhD Associate Professor Eskisehir Osmangazi University Odunpazarı/Eskişehir, Turkey
+Michael Bornstein, PhD Head of Clinical Research University of Basel Basel, Switzerland	+*Donald DeNucci, DDS, MS Senior Research and Education Consultant VA Greater Los Angeles Health Care Los Angeles, CA
+*Owais Farooqi, DDS, MDS, MPH, FACHE Chief, Dental Service VA Greater Los Angeles Health Care Los Angeles, CA Planning Member for ADA	+Adam Forseman, MSc, MBA Director of Quality & Regulatory Affairs VideoHealth Los Angeles, CA
+Seth A. Gibree, DMD, FAGD Senior Director of Clinical AI and Innovation Heartland Dental LLC Effingham, IL	+Reinhilde Jacobs, DDS, PhD Professor KU Leuven University Leuven, Belgium
+Christine LaMarre, DDS Assistant Under Secretary of Health for Dentistry VHA Washington, DC	+Robert Merchant, FACHE Director VA Greater Los Angeles Health Care Los Angeles, CA
+Joshua Mueller, PhD Policy, Ethics, & Governance Specialist VA National's AI Institute Los Angeles, CA	+*Elizabeth Nunez, DMD, MST, FICD Executive Leadership Adjunct Faculty VA SimLEARN Los Angeles, CA
*Jason Overby, MS, GNP-BC, HEC-C Nurse Practitioner VA Greater Los Angeles Health Care Los Angeles, CA Planning Member for ANCC Planning Member for CA BRN	*Dawn Palmer, MS, MEd Health Care Education Specialist (Project Manager) VHA Institute for Learning, Education and Development (ILEAD) Irvine, CA
+Philippe Salah, MS, PhD Chief Executive Officer (CEO) Dental-Monitoring Paris, France	+Falk Schwendicke, MDPH Professor Ludwig Maximilian University Hospital Munich, Germany
+Dmitri Tuzoff, MS, PhD CEO	

DENTI.AI Vancouver, Canada	

Point of Contact for this Activity:
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Webster, MA

Approved Provider Contact Information
To contact the approved provider of continuing education for this activity, please contact:

https://dvagov.sharepoint.com/sites/VHAILEAD/SitePages/Partner%20with%20ILEAD.aspx; or

Jan Wong, Associate Director, Veterans Health Administration (VHA) Accreditation, ILEAD (Institute for Leadership, Education and Development)

(801) 924-6854

Jan.SauLauWong@va.gov

Deadline Date
This program will no longer be authorized for continuing education credit after: 10/11/2024.

Cancellation Policy
Those individuals who have been accepted to attend and need to cancel: log into your TRAIN account, select "My Learning" tab, select the registered title and withdraw from the program.

Withdrawing from a course
If you wish to withdraw yourself from this course- please follow these steps:
1. Log into your TRAIN account: www.vha.train.org
2. Select "Your Learning" Tab (located on the righthand side of your TRAIN Dashboard)
3. Select the Live Webcast course-title link
4. Select WITHDRAW (to withdraw yourself from this course click WITHDRAW)

Accessibility Statement: (Reasonable Accommodation)
The U.S. Department of Veterans Affairs (ILEAD) is committed to providing equal access to this training for all participants. If you need alternative formats or services because of a disability,

please contact your ILEAD Program Staff two weeks in advance if it is an in-person event, or three-business days if it is a live-virtual event. If there any issues with accessibility, please reach out to the ILEAD Program Staff so they can assist.

Disclosure Statement

Veterans Health Administration must ensure balance, independence, objectivity, and scientific rigor in all of its individually sponsored or jointly sponsored educational activities. All prospective faculty and planning committee members participating in a Veterans Health Administration activity must disclose any relevant financial relationship or other relationship with: (a) the manufacturer(s) of any commercial product(s) and / or provider(s) of commercial services discussed in an educational presentation, and (b) any commercial supporters of the activity. All financial relationships include, but is not limited to, such things as personal receipt of grants or research support, employee or consultant status, stockholder, member of speakers' bureau, within the prior 24 months. Veterans Health Administration is responsible for collecting such information from prospective planners and faculty, evaluating the disclosed information to determine if a relevant financial relationship is present and, if a relevant financial relationship is present, to mitigate such relationship. Information regarding such disclosures and the mitigation of the relevant financial relationship for planners and faculty shall be disclosed to activity participants. <u>When an unlabeled use of a commercial product or an investigational use not yet approved by the FDA for any purpose is discussed during an educational activity,</u> Veterans Health Administration <u>shall require the speaker to disclose that the product is not labeled for the use under discussion or that the product is still investigational.</u>

The faculty and planning committee members reported that they had no relevant financial relationships with ineligible organization in any amount that occurred within the past 24 months that create a conflict of interest.

This activity includes no discussion of uses of FDA regulated drugs or medical devices which are experimental or off-label.

* The ACCME defines "relevant financial relationships" as financial relationships in any amount occurring within the past 24 months that creates a conflict of interest.

Identified Relevant Financial Relationship:

Philippe Salah has reported that he/she is CEO and stockholder of Dental-Monitoring.

Dmitri Tuzoff has reported that he/she is Co-founder/CEO and stockholder of DENTI.AI.

Christopher Balaban has reported that he/she is Vice President, Clinical Affairs and stockholder of Overjet AI.

Adam Foresman has reported that he/she is the Director of Quality & Regulatory Affairs of VideoHealth.

Mitigation of Relevant Financial Relationship

The relevant financial relationship has been resolved by content and slide review by the planning committee members.

All other faculty and planning committee members reported that they had no relevant financial relationships with ineligible organizations in any amount that occurred within the past 24 months that create a conflict of interest.