APPLICATIONS OF CBCT AND AI IN DENTAL RESEARCH
- Dr. Rohan Jagtap

eLearning: **December 14, 2020 – November 13, 2022**

Course Description

Electronically mediated learning. Over the years, new technologies in healthcare industries have influenced human life. They acted as an aid for screening, diagnosis, therapeutics, treatment planning, and many other aspects of patient care. Currently, AI is emerging in dentistry, and the application of AI in medicine has been researched and practiced for many years. In clinical medicine, prediction of disease risk, diagnosis of pathologies/abnormalities, detection of disease, treatment planning, and prognosis of disease have played an important role. Technology has also grown fast in the field of dentistry, especially through incorporation of cone beam CT, which is becoming a great tool for diagnosis and treatment planning. The application of artificial intelligence is becoming a reality and part of day-to-day human life. Significant developments in technologies related to artificial intelligence have taken place in dental research areas and this CE course is about applications of CBCT & AI in dental research.

Objectives

1. Explain Cone-beam CT (CBCT) and Artificial Intelligence (AI) and how it works.
2. Identify applications of CBCT and AI combination in clinical and research field.
3. Describe how to use AI efficiently in dental field.
4. Explains advantages, challenges, limitations, and future outlook for use of AI in dentistry.

Speaker

Rohan Jagtap, DDS, MHA, OMFR

Dr. Jagtap is a Director and Assistant professor of the Division of Oral and Maxillofacial Radiology in the Department of Care Planning and Restorative Sciences. After receiving his B.D.S. from MGV's K.B.H. Dental College and Hospital, Nashik, India, in 2013, Jagtap served as an associate dentist at the Rutudent Dental Clinic and Research Center, Nashik. He received his Master's in Healthcare Administration from Midwestern State University, Wichita Falls, Texas, in 2018, and had his oral and maxillofacial radiology residency at the UF College of Dentistry from 2017-19.

The author or co-author of 12 articles in peer-reviewed publications and 11 scientific abstracts and presentations, Dr. Jagtap has given several national and international invited speaker presentations. He has editorial board and reviewer positions for nine high-impact peer-reviewed journals. Service has been acutely demonstrated by Dr. Jagtap. He currently serving different committees nationally including but not limited to ADEA and AAOMR. He has recently completed the Excellent Teacher-Faculty Edition curriculum from the University of Mississippi Medical Center. He is an active member of the American Dental Association, the American Dental Education Association, the American Academy of Oral and Maxillofacial Radiology, and the Radiology Society of North America, among other professional organizations. Dr. Jagtap currently serves as our schools, and State's, sole oral & maxillofacial radiologist.

Target Audience: Dentists, Dental Hygienists & Dental Assistants

Registration Fee: $40 | **Refund Policy:** No Refund

Contact Us: kchaney@umc.edu or 601-984-1303

Disclosure - As mandated by the American Dental Association Continuing Education Recognition Program (ADA CERP) all persons in control of content including speakers participating in this conference have been asked to disclose to the program audience the presence or absence of all relevant financial relationships of all persons in a position to control educational content presented.

The planners nor speaker have relevant financial relationships to disclose.

ADA C·E·R·P | Continuing Education Recognition Program - American Dental Association Continuing Education Recognition Program

The University of Mississippi School of Dentistry 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.
University of Mississippi School of Dentistry designates this activity for a maximum of 1.0 continuing education credits.

Sponsored by the University of Mississippi School of Dentistry, the University of Mississippi Medical Center Division of Contiuning Health Profession Education and the Mississippi Dental Association