

Friday, September 13, 2024

New Paradigm in Clear Aligners: 3D Printing and Biomechanical Innovations

Dr. Ki Beom Kim, DDS, MSD, PhD

NEW PARADIGM IN CLEAR ALIGNERS: 3D PRINTING AND BIOMECHANICAL INNOVATIONS

*Sponsored by the
WVU School of Dentistry
Department of Orthodontics*



Dr. Ki Beom Kim, DDS, MSD, PhD

Friday, September 13, 2024

Morgantown Marriott at Waterfront Place



PROGRAM SCHEDULE

Friday, September 13, 2024

- 8:30 am Registration and Continental Breakfast
- 9:00 am **Session 1:** Introduction of Shape Memory Aligners: Unveiling the Revolutionary Concept.
- 10:30 am Break
- 10:45 am **Session 2:** Clinical Considerations: Navigating Clinical Challenges and Opportunities 1.
- Noon Lunch and alumni business meeting
- 1:00 pm **Session 3:** Clinical Considerations: Navigating Clinical Challenges and Opportunities 2.
- 2:00 pm **Session 4:** Step-by-Step Guide to fabricating of Shape Memory Aligners.
- 4:00 pm Adjourn

ABOUT THE SPEAKER:



Dr. Ki Beom Kim, a Professor and the Dr. Lysle Johnston Endowed Chair in Orthodontics at Saint Louis University, serves as the Program Director in the Orthodontic Department at the Center for Advanced Dental Education. He holds dual Diplomate status from the American Board of Orthodontics and the American Board of Orofacial Pain. Dr. Kim's academic

journey spans dental training in South Korea, a Ph.D. in Orofacial Pain, and orthodontic training at Vanderbilt University Medical Center.

His impactful contributions to the field include over 100 peer-reviewed articles, numerous presentations, and authorship of multiple book chapters. With an active involvement in over 130 master thesis projects and authoring three textbooks, Dr. Kim has significantly shaped the academic landscape.

Focusing on clear aligner biomechanics and enhancing clear aligner therapy, as well as exploring surgical options for obstructive sleep apnea patients, Dr. Kim's clinical interests reflect a commitment to advancing orthodontic treatment modalities.

LOCATION:

Morgantown Marriott at Waterfront Place, 2 Waterfront Place, Morgantown, WV 26501 (304) 296-1700

ACCOMMODATIONS:

Morgantown Marriott at Waterfront Place
2 Waterfront Place
Morgantown, WV 26501
(304) 296-1700

A block of rooms have been reserved for the night of September 12th. To book your room and receive our discounted conference rate, call the hotel and tell the reservationist you are attending the WVU Dept. of Orthodontics CE Course. The cut-off date to reserve rooms at this rate is August 15, 2024.

For more information on this course, contact Carrie Trejo at ctrejo@hsc.wvu.edu or (304) 293-3222.

For any questions on how to register for the course, contact the Office of CE at (304) 293-3937.

COURSE CREDIT:

The WVU 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. The WVU School of Dentistry designates this activity for 5.75 continuing education credits. Participants are cautioned about the potential risk of using limited knowledge when incorporating new techniques and procedures into their practices. Concerns or complaints about a CE provider may be directed to the provider or the Commission for Continuing Education Provider Recognition at ADA.org/CERP.

REGISTRATION MADE EASY:

Be sure to fill out all applicable information on the registration form. Please make additional copies for each individual registration. Please submit your online registration and credit card or electronic check payment at <http://bit.ly/wvuortho2024>, or complete the attached registration form and return by August 31, 2024 to the WVU Office of CE along with your check payment. Registrations received by August 31, 2024, will be confirmed via email.

COURSE DESCRIPTION:

This lecture presentation focuses on the transformative impact of 3D printed SMAs, highlighting their role in enhancing treatment precision, efficiency, and patient comfort. It underscores how the fusion of 3D printing and biomechanical advancements is reshaping orthodontic treatments, providing a more efficient, comfortable, and sustainable option compared to traditional aligners. This program is designed to meet the needs of the practicing orthodontist.

OBJECTIVES:

Following this course, participants should be able to:

- Describe the transformative role of 3D printing in developing precise, efficient clear aligners.
- Discuss the biomechanical benefits of 3D printed aligners, particularly their responsiveness to external stimuli.
- Recognize the potential for improved treatment outcomes and broader orthodontic applications through the synergy of 3D printing and biomechanical principles.

This program is designed to meet the needs of the practicing orthodontist and staff.

DISCLOSURE: All those in a position to control content have indicated that they have no relevant interests to disclose.

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Sponsored by the West Virginia University Department of Orthodontics

Please make additional copies for each person

Name: _____

Profession (DDS, RDH, etc.): _____

Primary State of Licensure: _____

Professional License Number: _____

E-mail: _____

Mailing address: _____

City: _____ State: _____ Zip: _____

Phone: _____ ☐ Office ☐ Home ☐ Cell

| COURSE FEES | <u>Before Aug. 31</u> | <u>After Aug. 31</u> |
|-------------------------------------|-----------------------|----------------------|
| Orthodontist Non-WVU Alumni | \$400.00 | \$450.00 |
| Orthodontist WVU Alumni | \$350.00 | \$400.00 |
| WVU Resident/Student | \$75.00 | \$100.00 |
| WVU Faculty and Non-WVU Resident | \$75.00 | \$100.00 |

*Course fees include conference materials, lunch, breaks and continuing education credits.

TOTAL ENCLOSED: _____

Check made payable to: West Virginia University

To pay by check: Mail registration form and check to:

WVU Health Sciences Office of Continuing Education
Medicine and Nursing
PO Box 9080, Morgantown, WV 26506

To pay by credit card, you MUST register online.

Web registration and credit card and electronic check payment available online: <http://bit.ly/wvuortho2024>.