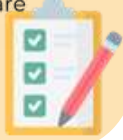


Contents

Editorial Note

Announcement-KAMER
International Symposium on
Healthcare Education ResearchGood Examples on Healthcare
Education, shared by academic
faculty-Arzu Baygöl, Dr.Artificial Intelligence- Part II
The Use of AI in Healthcare
Education**HE-101 Stage 1 2024-1
Photos**Check out to see the course
photographs below and also visit
our website for more info.**Editorial Note**

Dear Faculty,

Welcome to the latest edition of KAMER Reflections, our Academy's newsletter. Explore insightful perspectives, experiences, and exciting updates on upcoming activities in this issue.

In this edition, we feature a contribution from Assistant Professor Dr. Arzu Baygöl, sharing her insights gained from the HE 101 Stage 1 training. Discover how she integrates course content into her teaching, along with her experiences and wisdom on employing interactive methods and tools like Socrative, Mentimeter, and the Jigsaw method in small group settings.

We continue our discussion from the previous issue on the integration of artificial intelligence (AI) in healthcare education. As our world rapidly evolves, technology plays an increasingly crucial role in education. In this era of AI as a catalyst for change, we examine its central role in shaping the future of healthcare education. The article not only highlights the potential of AI in increasing the effectiveness of healthcare education through insights on its applications but also underlines the challenges and drawbacks.

HE-101 Stage 1 2024-1**Symposium on Healthcare
Academic Professionals Education**

We are delighted to share more detailed information about the upcoming Symposium on Healthcare Academic Professionals Education (SHAPE-2024), which we are organizing for the first time and are extremely excited about. This two-day event will take place on October 11-12, 2024, at Taksim ANAMED, with esteemed speakers and participants. The symposium program has been crafted through the collaborative efforts of the Organizing Committee and the Scientific Advisory Board.

The first day of the symposium will consist of sessions covering more general topics related to healthcare education. The second day will focus on the specific theme "The Use of Technology in Healthcare Professional Education," featuring group activities and workshops, will explore We look forward to welcoming you to this enriching educational experience.

Warm regards,

*The Editor/KAMER Reflections***Reminders from KOLT****TIG Applications:**<https://kolt.ku.edu.tr/faculty-support/teaching-improvement-grants>**KOLT Faculty Page on Blackboard:**https://ku.blackboard.com/ultra/course/s/_6401_1/cl/outline



Good Examples on Healthcare Education

by Arzu BAYGÜL, Dr.

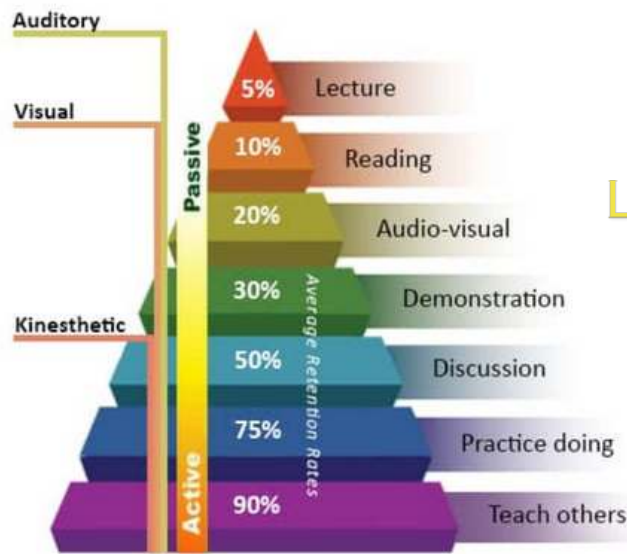
Transformative Insights from the "Education for Educators" Course

It is crucial to remain at the forefront of innovative teaching approaches in the changing field of education. As a biostatistician and dedicated faculty member, I recently had the opportunity to participate in the "HE-101 Education" course, which had a profound impact on my online and on-site teaching efforts.

The course covered many innovative techniques, providing me with a set of tools that have not only revitalized my teaching style but have also had a remarkable effect on my students' learning experiences. Allow me to present some significant highlights from this educational journey that has been both enlightening and enriching:

Socratic and Mentee

The lessons on "Socratic" and "Mentee" significantly transformed the way I conducted my online courses. These interactive technologies enabled me to establish dynamic, real-time relationships with my students. What is the outcome?



Adapted from the NTL Institute of Applied Behavioral Science Learning Pyramid

LEARNING PYRAMID

There is a noticeable rise in active participation and a strengthened feeling of belonging among students in the online classroom.

The capacity to promptly assess student comprehension and promptly respond inquiries in real-time has had a notable beneficial effect on the overall educational experience.

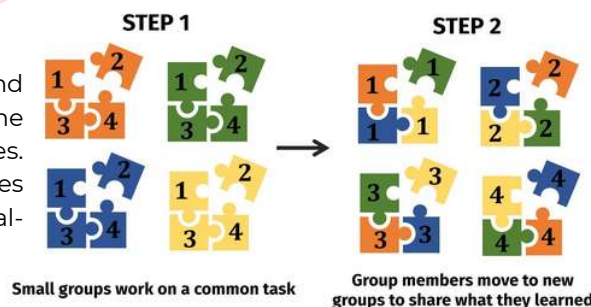
Small Group Teaching

The "Small Group Teaching" module provided successful ways for promoting collaboration among students, while addressing the difficulties encountered in online education. Through the use of these strategies, I have observed a significant enhancement in collaboration and the exchange of knowledge among small groups. This not only enriches the learning experience but also equips students for the collaborative dynamics of contemporary professional situations.

Jigsaw Modelling

"Jigsaw Modelling" has developed as a prominent technique that has fundamentally transformed my approach to complicated subjects. Deconstructing complex topics into manageable components has been shown to stimulate critical thinking and enhance problem-solving abilities among my students. Observing their heightened self-assurance and enhanced comprehension of the subject matter has been exceptionally gratifying.

To summarize, the "HE-101" course has served as a source of motivation for educators aiming to enhance their teaching methodologies. The acquired insights are not only pragmatic but also exceedingly relevant in the current swiftly changing educational environment. As we begin a new year, let us embrace the influence of teaching methods and strive to grow as educators committed to molding the intellects of future generations.



THE PEARL



“Implementing AI in healthcare education is and will always be a double-edge sword...”

Integrating AI in Academic Healthcare Education Part II



Source: HealthSnap

Personalized Learning: AI can analyze the learning patterns and preferences of individual students and tailor educational content accordingly. This approach ensures that students receive content at their own pace and in a format that suits their learning style. This also has the disadvantage of serving a monochromatic content to the student, quite similar to AI providing the same political viewpoint to a user once that user identifies himself/herself with a particular viewpoint. Another caveat is the difficulty of the current AI systems to recognize how a particular human being learns, and this remains to be developed.

Virtual Simulations and Laboratories: AI-powered virtual simulations and laboratories can provide students with realistic medical scenarios and environments for practice. This can enhance hands-on learning without the need for physical resources. This is particularly helpful if the material can be disseminated to schools and countries with low resources, enabling near-real life simulations for technology not readily available in some regions.

Diagnostic Training: AI can help students practice diagnosing medical conditions by presenting them with patient cases and guiding them through the diagnostic process. These simulations can mimic real-world scenarios and help students refine their diagnostic skills. AI could also easily retrieve checklists and reminders to allow the student to avoid missing key issues in the diagnosis.

Adaptive Assessment: AI can create adaptive assessments that adjust the difficulty of questions based on the student's performance. This helps identify areas where students need more focus and provides challenges for those who excel. Recognizing progress in areas that need improvement and identifying persistent gaps in learning can also be made easier with the use of AI in student assessment.

Data Analysis and Research: AI can assist students in analyzing large datasets and medical research papers. This can aid in understanding medical trends, treatment outcomes, and research findings more effectively.

Anatomy, Physiology Pathology or Radiology Visualizations: AI can create detailed and interactive visualizations of complex structures and functions as well as biological processes. This can help students grasp intricate concepts more easily. These visualization modules also help disseminate medical information more widely, allowing low- and middle-income country students to be able observe biology and function.

Remote Learning and Telemedicine: AI can facilitate remote learning through virtual classrooms and telemedicine platforms. This is especially relevant for training medical professionals in remote or underserved areas.

Skill Assessment and Feedback: AI can objectively assess students' clinical skills through simulations and provide instant feedback on their performance. Assessments and examination can be much easily administered and scored with the use of AI. However, AI can also be used against the AI based assessment systems to create erroneous or unrealistic assessments. While AI can be used for educators for assessment which can be beneficial, it can also be used by the students to thwart the system and prevent accurate assessment of the individual.

Curriculum Design: AI can be helpful in developing and improving healthcare education curricula by comparing various educational programs, learning objectives and content. The use of AI in integrating assessment strategies within the curriculum and measuring success and educational impact of teaching methods can be effectively employed to continuously improve curricular design. AI can also be instrumental in designing methods to determine educational impact of medical curricula by correlating healthcare statistics and disease outcomes in a society and changes enacted in medical curriculum.

This article was written with the assistance of ChatGPT.