

AAAAI Winter Meeting 2024

Incorporating Technology into A/I Training – Gerald Lee, MD, FAAAAI

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There are various technology tools available for use in medical education, but of course the first question should always be what problem you are trying to solve. There is nothing inherently “better” about novel technologies in education, but it does provide solutions to some challenging problems in medical education:

Q: How do I know my fellows are examining patients appropriately and can recognize important physical exam findings?

- Welch Allyn iExaminer Otoscope <https://www.hillrom.com/en/products/welch-allyn-iexaminer-system/>
- Eko Stethoscope <https://www.ekohealth.com>

Q: How can I maintain attention during didactic lectures? How can I assess my learners but overcome their reluctance to be wrong in a public forum?

- Anonymous polling: Poll Everywhere, Zoom Polling, Slido, Mentimeter
- Competitive Quizzing: Poll Everywhere competitions, Kahoot!

Q: I’m too busy to teach in the clinic, I’m trying to catch up on my notes!

- Clinical Rotation Curriculum https://education.aaaai.org/clinical-rotation-curriculum/CR_Curriculum
- Create board style questions in the polling software and discuss afterwards

Q: How do I get more learners engaged during virtual lectures?

- Padlet – Create lists for H&P, differential diagnosis, tests, treatments
- Miro, Jamboard, Google Docs – collaborate on word documents to answer questions

Q: My fellows keep on forgetting the material after each lecture!

- Either you or your fellows and create flashcards from lectures or board review material using platforms such as Quizlet or Anki

Q: How can I ensure my fellows are doing their textbook or journal club readings?

- Use social annotation platforms such as Perusall to ask question on materials

Q: My learners keep on asking for sample cases or questions?

- ChatGPT can create sample board-style questions and simulated patient encounters if the correct prompts are used.
- Try this prompt: “Please create an ACLS scenario of an anaphylactic reaction and quiz me on what the proper next step of management is. Please make it free response and interactive, meaning you ask me what the next step is one question at a time, and then I write out what I would do, and then you ask me another question based on how my answer would affect the patient. Please update / change the patient’s condition based on my actions, and do not tell me the right answers until the end of the scenario.”