


AI in Medicine

Future of Healthcare by AI



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Professional Career	Associate Professor, Center for Medical Education, Concurrent Appointment, Department of General Medicine and Center for Integrated Institutional Research, Sapporo Medical University (Sep 2021 – Present) Former Lecturer, Center for Medical Education and Career Development, University of Toyama(2015 – 2021) Resident & Fellow, Gastroenterology/Internal Medicine, Toyama University Hospital and affiliated hospitals(2002 – 2015) Educational content developer specializing in generative AI, ICT, and digital learning platforms Director, Digital Medical Education Project (Gamed-X, Cinemed-AI)	
Speech Title	Design and Implementation of Digital Learning Plat forms: The Impact of Generative AI	
Abstract(200 words) :	<p>Medical educators face increasing pressure to provide high-quality, personalized, and scalable learning experiences—especially in resource-limited or multilingual environments. Generative AI, a technology that creates realistic text, speech, and video content, offers powerful solutions to these challenges.</p> <p>This presentation introduces real-world examples of how generative AI and digital platforms can be combined to enhance teaching and assessment. Key cases include:</p> <ul style="list-style-type: none"> • A 33-language AI chatbot for simulated medical interviews, allowing students/SPs to practice anytime, in any language • AI-assisted feedback systems for OSCE-style evaluations and reflective learning • Cinemedication: realistic video scenarios generated by AI to support clinical reflection • Game-based learning with AI-generated patient responses and scoring systems • Collaborative content development using platforms like YouTube, Google Workspace, and ChatGPT • Secure, efficient creation of exam questions using both cloud and local AI models <p>Rather than replacing educators, generative AI enhances their ability to deliver engaging, learner-centered education. This talk will highlight strategies for integrating AI tools into existing curricula, address ethical and technical challenges, and provide a practical roadmap for educators new to AI. Special attention will be paid to how these innovations can be adapted and scaled across diverse educational contexts in Asia, including Taiwan.</p>	

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