Creating an AI dental infection management director using ChatGPT

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This lecture introduces the creation of an AI dental infection management director using the latest artificial intelligence technologies, ChatGPT and Claude, and aims to compare the performance of these two AI models. Additionally, it explores the use of ChatGPT and Claude in the analysis of dental records.

Firstly, the basic concepts and features of ChatGPT and Claude will be explained, followed by an examination of how these AI models can be utilized in dental infection management and record analysis. Subsequently, the lecture will demonstrate how to generate necessary information for dental infection management protocols using ChatGPT and Claude, and how to visualize this information for use in instrument sterilization.

Next, the process of creating educational materials for staff and promotional materials for patients using ChatGPT and Claude will be showcased. The lecture will reveal how to refine and elaborate content through dialogue with each AI model when creating educational materials, and share tips for effectively producing various types of promotional materials such as images, pamphlets, and leaflets using ChatGPT and Claude.

Furthermore, dental record data will be trained on ChatGPT and Claude, and the lecture will examine how these AI models analyze and understand patient treatment histories through actual record examples. This session will compare the performance of ChatGPT and Claude, discussing the strengths and weaknesses of each model and their practical applications.

This lecture aims to explore the potential changes and opportunities generative AI technology can bring to the field of dentistry.

Profile
* Graduated as a D.D.S. from Seoul National University, School of Dentistry
* Specialist in Preventive Dentistry
* Ph.D. from Seoul National University
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