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	Exploring the Potential of Large Language Models in Chinese Medicine National Examinations: An Analysis of Pass Rates and Performance with GPT-4o, Gemini-pro, Claude Opus, and Qwen Max	
	2023 運用 GPT-4 與 GPT-4 結合 Bing 語言模型於中醫師國考第一部分考題之表現評估研究 Evaluation of GPT-4 and GPT-4 Combined with Bing Language Model on the First Part of the National Examination for Traditional Chinese Medicine Physicians	

Speech Title	Integrating Traditional Chinese Medicine and AI: Applied Research Perspectives 中醫結合 AI 應用研究
<p>本次演講將探討人工智慧（AI）與中醫結合之創新研究與實際應用。內容首先闡述人工智慧的定義，並聚焦於當前以大型語言模型（LLM）為核心的新一波 AI 技術浪潮。其次介紹 LLM 在中醫領域的重要應用，包括應用於中醫國家考試的試題評估與分析研究，以及中醫醫案古文的翻譯與系統化整理。</p> <p>接著呈現多項具體的臨床與研究應用實例。在診斷層面，透過 AI 輔助舌診判讀及問診資料，自動生成病例記錄；於臨床推理領域，涵蓋 AI 輔助證型分析、辨證論治訓練及自動繪製病因病機示意圖等功能。此外，亦將展示 AI 如何輔助古代醫籍的現代化翻譯、文章內容圖解，以及醫學論文閱讀與摘要生成。</p> <p>最後，本演講將探討醫學界當前導入 AI 技術的實務案例，並展望未來中醫與人工智慧融合發展的可能趨勢與前景。</p> <p>This presentation explores innovative research and practical applications of integrating artificial intelligence (AI) with Traditional Chinese Medicine (TCM). It begins by defining AI and highlighting the recent wave of AI technologies centered around large language models (LLMs). Subsequently, the presentation discusses significant applications of LLMs in TCM, including their use in evaluating and analyzing the national TCM licensing examination questions, and translating and systematizing classical medical texts.</p> <p>Several specific clinical and research applications will be demonstrated. In diagnostics, AI-assisted tongue diagnosis interpretation and automatic case generation from clinical consultations are highlighted. Clinical reasoning applications include AI-supported syndrome differentiation analysis, diagnostic training, and automated visualization of disease pathogenesis models. Additionally, the presentation will illustrate how AI aids the modernization of ancient medical literature through translation, graphical representation of textual content, and facilitating the reading and summarization of medical research articles.</p> <p>Finally, the presentation reviews practical examples of current AI adoption within the medical field and discusses future trends and prospects for the integration and development of AI with Traditional Chinese Medicine.</p>	