

LLM4MedR 2025

**The 1st Workshop of
LLM Reasoning on Medicine: Challenges, Opportunities, and
Future (LLM4MedR)**

Proceedings of the Workshop

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Message from the Workshop Chair

Welcome to the INLG 2025 Workshop on LLM Reasoning on Medicine: Challenges, Opportunities, and Future!

The rapid rise of Large Language Models has ignited a revolution across countless fields, but perhaps nowhere are the stakes higher than in medicine. The potential is immense: from automating the generation of clinical notes and summarizing complex patient histories to providing real-time decision support, LLMs promise to revolutionize healthcare delivery, making it more efficient, accessible, and of higher quality for all.

However, this promise comes with profound responsibility. Applying LLMs in medicine is a double-edged sword. The specialized nature of medical treatment and the severe consequences of errors or hallucinations mean we cannot simply adopt off-the-shelf models. We need new approaches to ensure these systems are not just fluent, but fundamentally sound, trustworthy, and safe.

Whether you are an NLP researcher, a clinician, an ethicist, or an industry innovator, your perspective is crucial. We invite you to join us for this vital conversation, to share your work, challenge assumptions, and help build a roadmap for the responsible integration of LLMs into medicine.

Together, let's shape the future of AI in healthcare. We look forward to seeing you in Hanoi, Vietnam!

Workshop Chair of INLG 2025 Workshop: LLM Reasoning on Medicine: Challenges, Opportunities, and Future

Changmeng Zheng

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Effectiveness of ChatGPT in explaining complex medical reports to patients

Mengxuan Sun, Ehud Reiter, Anne E. Kiltie, George Ramsay, Peter Murchie, Lisa Duncan and Rosalind Adam

Crop Disease Management with LLMS

Ernest Mnkandla, and Sree Ganesh Thotempudi

MRCD: Multi-disciplinary RAG-Enhanced Collaborative Debate for Medical Question Answering

Dayong liang, Yi Cai and Zhiyuan Wen

