

We are inviting you, as a health professional involved in sepsis management, to participate in a research study aimed at improving sepsis diagnosis and management using an innovative artificial intelligence-clinical decision support system (AI-CDSS). This study involves comparing sepsis management decisions with and without artificial intelligence (AI) support, with the goal of enhancing physician confidence and efficiency in managing sepsis.

Why have I been invited?

You have been invited because you are a licensed health professional with at least one year of clinical experience in managing sepsis. You are among a selected group of health professionals from Tri-Service General Hospital and its affiliated centers who are participating in this study.

Do I have to take part?

No. Participation in this study is completely voluntary. You may choose not to participate, or you can withdraw from the study at any time without giving a reason. Your decision will not affect your current or future relationships with Tri-Service General Hospital.

What will happen if I take part?

Upon agreeing to participate, you will be randomly assigned to one of two groups. One group will use the AI-CDSS to aid in sepsis management decisions, while the control group will continue with standard management practices. Participants in both groups will complete regular surveys assessing their confidence and efficiency in managing sepsis. These surveys will help measure the impact of the AI-CDSS and compare it with traditional methods. Follow-up assessments will be conducted on days 1, 2, 4, and 7 after the initial sepsis diagnosis to monitor the outcomes of the management decisions and gather feedback on your experience.

Are there any expenses or payment involved?

No, there are no payments involved for participating in this study. However, any expenses incurred due to participation will be reimbursed.

Confidentiality

All the information you provide during this study will be kept strictly confidential.

Study Location

This study is being conducted at Tri-Service General Hospital, and the results may significantly influence future sepsis management practices. Your participation will contribute to our understanding of how AI tools can assist in clinical decision-making and potentially lead to better patient outcomes and reduced sepsis mortality.

Interested?

If you are interested in participating or have any questions, please contact the study coordinator using the details provided below.

Thank you for considering this opportunity to contribute to important research in sepsis management practices.

Contact Details: Name: Dr. Hung-Sheng Shang

Email: iamkeith@mail.ndmctsgh.edu.tw

Phone: +886 920713130

Address: No. 325, Sec. 2, Chenggong Rd., Neihu Dist., Taipei City, Taiwan, 114202