Celebration of 2025 中國醫師節

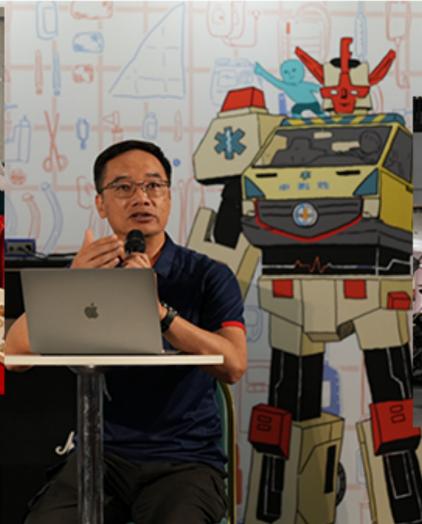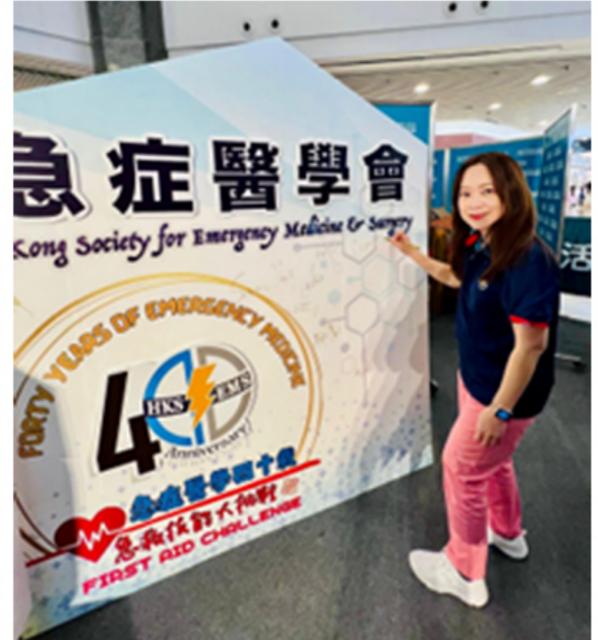## 2025 Medical Education Conference and Position Statement Workshop

First-Aid Challenge September 2025

First-Aid Challenge- a meaningful and educational funfair to promote first aid knowledge to the general public; co-organized by HKCEM. Thank you for all participants and supporting organizations to make the activity a great success!

Hong Kong Academy of Medicine Council Dinner with Distinguished Young Fellow

Congratulations to Dr Leung Ka Yee!!

Medical Exchange to Xi'an

HKCEM representative Dr Matthew Tsui joined the delegation from Hong Kong Society for Emergency Medicine and Surgery to visit Xi'an for a medical exchange.

Mastering EM Training with Singapore's Experts

Sincere thanks to Prof Ong and Dr Wee for your valuable insights and experience sharing on EM Training and Examination in Singapore.
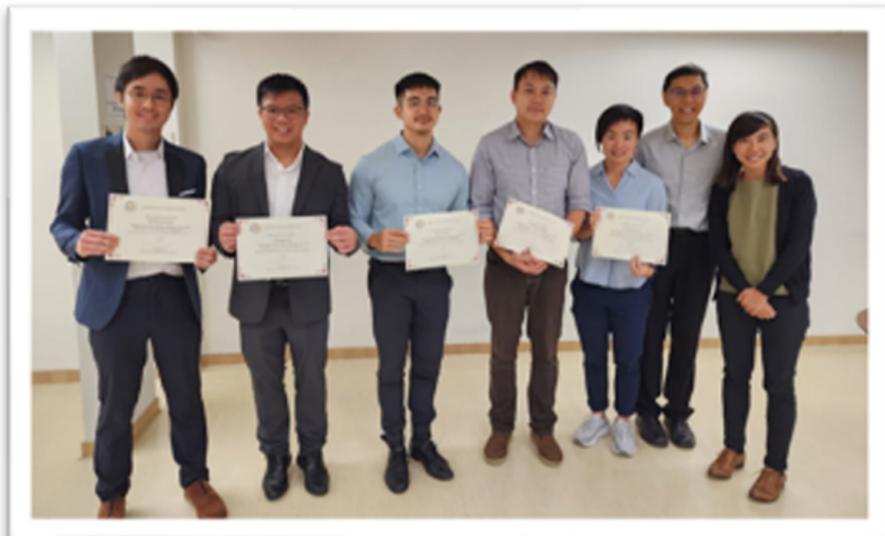
IEEM Preparatory Course 2025 by HKSEMS

Thank you for the guidance by Singaporean Experts and local faculties.

HKCEM College Council Election Forum 2025

An evening with fruitful discussion and insightful sharing.

Dr Chun Hon

Dr Lam Shing Kit, Tommy

Dr Choi Yim Ping

Dr Yuen Cheuk Pun, Eddie

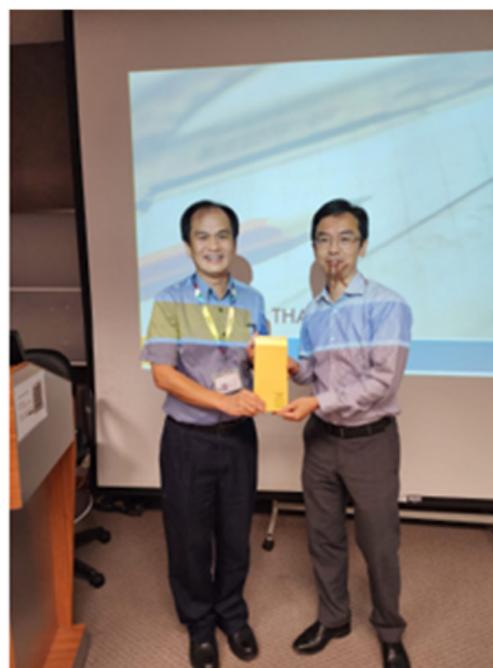## Pre-hospital Medicine Research Exchange Forum on 30th Aug 2025

Joint Clinical Meeting in Aug 2025

Case Presentation by AED, QEH

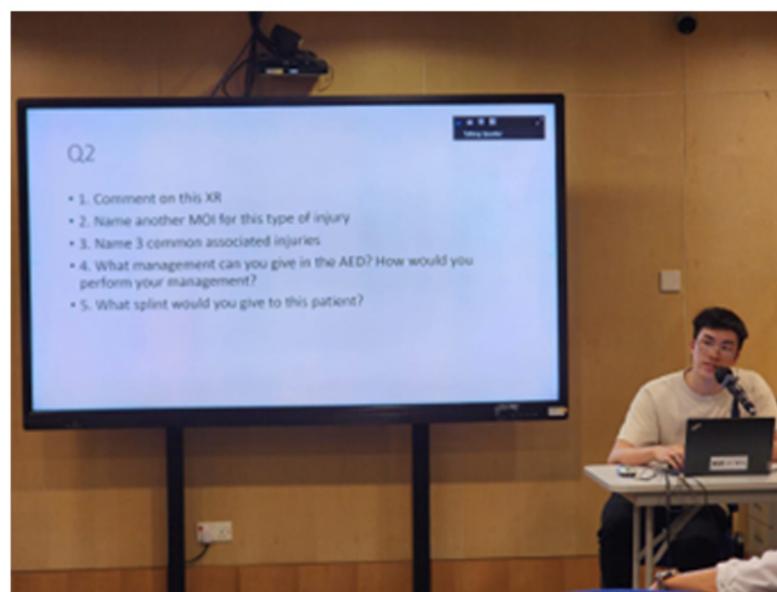"Management of Geriatric falls in acute setting" Dr Kwong Kai Yan, Consultant Geriatrician of PMH

Discussion on OSCE by AED, TKOH

Joint Clinical Meeting in Sep 2025

Case Presentation by AED, PMH

Discussion on OSCE by AED, UCH

Upcoming: JCM Oct 2025

Date :   8 Oct 2025 (Wednesday)
Time :   5:30 pm – 7:30 pm
Venue: Seminar Room, G/F, Block A, Queen Elizabeth Hospital

Program

5:30pm – 6:15pm Case Presentation by AED, NDH

6:15pm – 7:00pm "Optimal approach to managing shock patients with multi-organ POCUS"

Dr Ha, Young Rock, Emergency Medicine-Critical Care Specialist, Severance Hospital, Yonsel University.

Past President, Society of Emergency & Critical Care Imaging (SECCI)

7:00pm – 7:30pm Discussion on OSCE by AED, CMC

Fellows will be awarded with 2 CME points. Trainees will be awarded with 2 Training Points. All A&E doctors are welcome.

Upcoming: Resuscitation Best Practice Workshop

Date: 10th Oct 2025
Time: 8:30 am - 1:00pm
Venue: 21/F Citimark, 28 Yuen Shun Circuit,
          Shatin, N.T., HK
          (MTR City One exit D)

Featured Speaker:

 Dr Jimmy Jol, MD

  Experience in primary, emergency and trauma care, shares CPR expertise and technology–driven solutions across AP to improve clinical outcomes.

 Dr WH Tsang

  Experienced emergency physician shares updated information on CPR to improve resuscitation outcomes.

Course Fee: $300
CME/CNE points eligible

Organized by:

Hong Kong College of Emergency Medicine

Supported by:

Hong Kong Society for Emergency Medicine and Surgery

CEN Hong Kong College of Emergency Nursing

Hong Kong Emergency Nurses Association

SSEM 2025

Scientific Symposium on Emergency Medicine 2025

Emergency Trauma Management: Insights and Developments

創傷救治，銳見未來

25 October 2025 (Saturday) | Hong Kong Academy of Medicine, Jockey Club Building

Symposium Highlights

- Renowned Speakers from Local and Asia Experienced in Trauma Patients Management

- Interactive Sessions and Competitions - PoCUS Olympics, SimWars

- Speech and Workshops on Advanced Techniques (TEE, REBOA) and Technologies (Digitalization and AI)

- Exhibition Showcasing Latest Equipment, Devices, Providing Hands on Experiences

EMERGENCY

Call for Abstracts
Deadline for Submission: **31 July 2025**

Registration is Now Open!!!
www.hkcem.org.hk

Symposium Secretariat C/O ConferencePro Ltd. | Tel: (852) 6663 9375

Upcoming: SSEM 2025
Resuscitative Transesophageal Echocardiography Workshop

Date : 23th Oct 2025 (Half day workshop)
Time : 09:00 – 13:00
14:00 – 18:00
Venue : 7/F HKAM Jocky Club Building

Instructor: Dr Sun Jen-Tang
Department of Emergency Medicine
Far Eastern Memorial Hospital, Taiwan
Dr Ko Shing
Accident and Emergency Department,
NLTH, Hong Kong

Target participant: Emergency physicians and any providers working in acute care settings

Course Fee: $3500 (for SSEM participants)
$3700 (for non-SSEM participants)

Upcoming: SSEM 2025 POCUS Olympics 2025

Date : 25th October 2025
Time : 14:00 – 17:30
Venue : Function Room 1&2,
2/F Hong Kong Academy of Medicine
Jockey Club Building

Round 1: MCQ
Round 2: Hands-on session
Final: Rapid Fire Questions

Costume Contest: Halloween

Team enrollment: 2-3 EM trainees per team

Prizes and Awards: Champion and 1st-3rd Runner-up
Best Costume Award

Deadline of Application: 25 Aug 2025

Upcoming: Practical Infectious Disease Workshop for Emergency Medicine 2025

Date: 27th Nov 2025

Time: 9:00 am - 5:30pm

Venue: 2/F Function Room,
                 HKAM

Course Fee: $2500

Application Deadline: 31st Oct 2025

Upcoming: 2025 Emergency Medicine Extended Care Course

Date: 28th Nov 2025

Time: 9:00 am - 5:00pm

Venue: HKEC Training centre, PYNEH

Objectives:

To introduce the development and service model of EMW

To enhance knowledge and skills in diagnosin, monitoring and treating clinical conditions in EMW

Target Participants: AED doctors and nurses interested in EMW patient care

Course Fee: $2200

CME/CNE points available

Lunch will be included

EM Digital Corner:
Using Artificial Intelligence (AI) in Answering Clinical Questions

Dr. Nelson Leung

Digital Emergency Medicine Subcommittee

In emergency medicine, tough clinical questions arise — and answers are needed fast. A junior doctor might urgently ask in the resuscitation room: "What is the target blood pressure and preferred agent for acute aortic dissection?"

Artificial intelligence (AI) is now transforming how medical professionals and students answer clinical questions and conduct literature searches. By drawing from vast medical databases, AI delivers reliable, evidence-based answers in seconds, making it an invaluable tool for physicians.

This article explores how AI enhances clinical question answering and literature searches, outlines its benefits and risks, introduces user-friendly tools, and emphasizes its role as a decision-support system.

AI in Clinical Question Answering

Clinical questions, such as those about drug dosages, diagnostic challenges, or treatment plans, are commonly encountered in healthcare. Before AI became widely used, tools like UpToDate were vital for medical doctors, providing a trusted reference for clinical queries.

A study indicated that hospitals using UpToDate may experience shorter patient stays, lower mortality rates, and improved quality of care compared to those without it, underscoring the importance of quick access to reliable information.[1] AI advances this by using natural language processing (NLP) and machine learning to deliver rapid, evidence-based answers from clinical guidelines and peer-reviewed journals.

Key benefits include:

- Speed:

  ◦ Delivers answers in seconds which is crucial in time-sensitive settings like emergency departments.

- Accessibility:

  ◦ Available 24/7 and reduce the need to consult senior colleagues for advice

- Comprehensive search:

  ◦ Scans multiple sources, ensuring a broader evidence base than single-database tools.

- Summarization:

  ◦ Generate concise article summaries and saves time.

Despite there are numerous benefits, multiple risks exist:

- Misinterpretation of vague question

  ◦ AI may misinterpret vague questions and unclear queries leading to incorrect answers.

- Biased or poor quality sources

  ◦ Tools trained on biased data or low quality datasets may produce skewed recommendations, particularly for underrepresented groups.

- Fabricated information

  ◦ Generative AI can produce fake references and knowledge that users may not be able to differentiate. Answers without considering the broader context could lead to oversights.

- Summarization:

  ◦ Generate concise article summaries and saves time.

Comparisons of different AI tools

Several AI tools are tailored for clinical questions and literature searches, ideal for healthcare workers beyond general ones like ChatGPT or Grok:

1. UpToDate with AI enhancement[2]

  ◦ With AI-improved search and recommendation capabilities, it excels in query interpretation but it requires a subscription.

2. Consensus[3]

  ◦ It searches and analyses peer reviewed research papers and lists the references for the answers. It also categorises the type of reference such as meta-analysis, whether it is from a rigorous journal or highly cited. However, it is subscription-based and the free trial is restricted.

3. Scispace copilot[4]

  ◦ Tailored for researchers, clinicians and biomedical professionals. It is great for handling large volumes of literature but may lack advanced clinical decision support.

4. Elicit[5]

  ◦ It shows the process of gathering and screening sources with details included. Each paper was also reviewed for key aspects that mattered most to the research questions. However, the speed is slower compared to other tools and it is limited to publications in Semantic Scholar and PubMed.

5. OpenEvidence[6]

  ◦ It was launched from the Mayo Clinic Platform Accelerate program to incorporate innovative technologies into healthcare. The company claims it is the first AI ever to achieve a perfect score of 100% on the United States Medical Licensing Examination (USMLE). The interface is easy to use and is currently available for free to verified medical professionals.

Tool	Key Features	Strengths	Limitations
UpToDate (AI-enhanced)	• Trusted clinical reference with AI-powered search	• Evidence-based, clinician-vetted content	• Subscription required
Consensus	• Rapid, evidence-based answers from peer-reviewed literature • Unique "consensus meter" show the overall agreement within the research community	• Transparent sourcing • Rigorous evidence grading • User friendly	• Restricted free trial • No mobile app
Scispace Copilot	• Comprehensive search • Contextual and cited answers	• Strong for researchers, literature-heavy tasks	• Limited advance clinical decision support
Elicit	• Shows process of screening and source selection	• Transparent methodology • Good for research rigor	• Relatively slower than other tools • Limited to publications in Semantic Scholar and PubMed
OpenEvidence	• Accurate, evidence-based responses as demonstrated by its high USMLE score	• User friendly • Easily accessible	• Requires verification

Best practices for doctors

Despite it is convenient to use, there are some tips to use them effectively:

1. Ask clear questions and make specific queries
   ◦ Well-structured prompts and questions yield better results and it is recommended to avoid vague phrasing.
   ◦ **Bad prompt (vague):**
      I. "Tell me about aortic dissection."
         (Too broad — may return background info, pathophysiology, or surgical details, but not what's immediately useful in the ED.)
   ◦ **Good prompt (specific):**
      I. "What is the recommended target systolic blood pressure and preferred IV antihypertensive agent for acute aortic dissection in the emergency department, according to current guidelines?"
         (Clear, structured, and time-critical — AI is more likely to return concise, guideline-based management advice relevant to the ED setting.)

2. Verify information and use combination of tools

◦Generative AI can sometimes produce inaccurate or fabricated references, which may be difficult to spot without careful review

◦Users are responsible to cross-check AI outputs with primary sources and different tools

◦Many AI tools now provide citations with their responses, allowing users to cross-check sources and verify the accuracy of the information.

3. Protect data and privacy

◦Queries should not include patient personal identifiers and it is necessary to comply with privacy regulations.

Conclusion

AI is definitely a game-changer for answering clinical questions and conducting literature searches. It empowers doctors to tackle complex medical queries and research efficiently. However, these tools should be used as decision-support, but not replace human judgement with final clinical decisions made by medical professionals to ensure patient safety and optimal care.

References

1. Isaac T, Zheng J, Jha A. Use of UpToDate and outcomes in US hospitals. Journal of hospital medicine. 2012 Feb;7(2):85-90.

2. UpToDate. https://www.uptodate.com/. Accessed August 22, 2025.

3. Consensus. https://consensus.app/. Accessed August 22, 2025.

4. SciSpace. https://scispace.com/. Accessed August 22, 2025.

5. Elicit. https://elicit.com/. Accessed August 22, 2025.

6. OpenEvidence. https://www.openevidence.com/. Accessed August 22, 2025.