

Plenary lecture III : Artificial Intelligence in Emergency Medicine

時間：2021 年 10 月 27 日(三) 10:30~11:00

會議室：Room 1

主持人：林宏榮醫師(奇美醫院)、黃建華醫師(台大醫院)

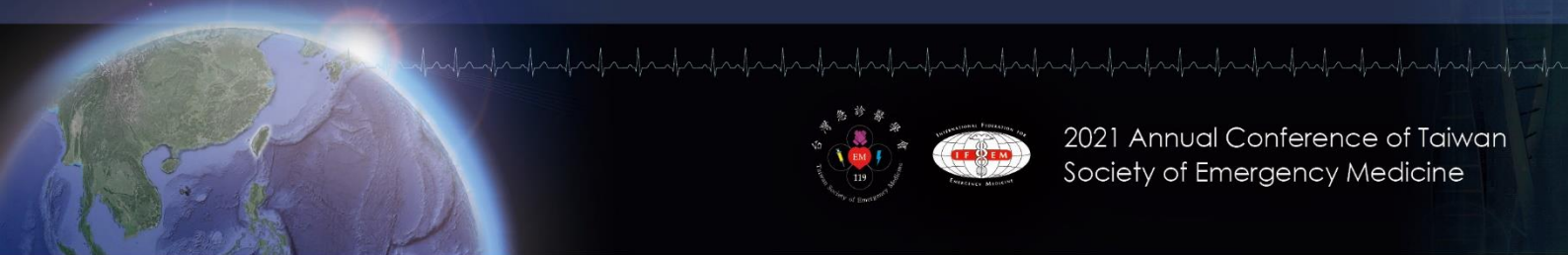
主講人：Dr. Sameer Masood (Division of Emergency Medicine, Department of Medicine, University of Toronto University Health Network Hospitals, Toronto)

課程簡介

Despite the growing investment in and adoption of artificial intelligence (AI) in medicine, the applications of AI in an emergency setting remain unclear. In this presentation, we will review the concepts of artificial intelligence and machine learning as they relate to healthcare. We will also review the latest AI based research in emergency medicine and considerations for future adoption. Limitations of AI in medicine will also be discussed. Our recently published scoping review of AI in emergency medicine will be presented to provide a global understanding of AI applications to emergency medicine and what the future holds for healthcare.

Take home points:

- 1- What is artificial intelligence? What is machine learning?
- 2- How does AI apply to emergency medicine?
- 3- What is the current state of AI research in emergency medicine?
- 4- How will AI change emergency medicine in the next 10 years?



Sameer Masood

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Dr. Sameer Masood is an Assistant Professor with the Division of Emergency Medicine, Department of Medicine at the University of Toronto. He is the Director of QI, Patient Safety and Innovation in the Emergency Departments at UHN, and a Clinician Investigator with the Toronto General Hospital Research Institute. He completed his Doctor of Medicine and residency training in Emergency Medicine at the University of Toronto. He completed his Masters in Public Health at Harvard University, with a focus on quality improvement and clinical effectiveness. His interests include quality improvement and innovation in emergency medicine. He has a particular interest in artificial intelligence and health technology integration into clinical care and is the lead for UHN's first Virtual Emergency Department. His interests include healthcare innovation, health technology integration into clinical care, and quality improvement in emergency medicine. Dr. Masood has received several awards for his scholarly work, including awards by Health Quality Ontario, the Canadian Association of Emergency Physicians, the University Health Network, and University of Toronto. He has several peer reviewed publications to his name.