



THE MEDICO-LEGAL
SOCIETY OF VICTORIA INC.
(A01213962C)

'The Humans are Dead: Rapid Rise of AI in Healthcare'

will be presented by Professor Meng Law

A General Meeting of the Society will be held on Friday, 12 April 2024

Melbourne Club, 36 Collins Street, Melbourne.

Drinks served 6.30pm, Presentation 7.00pm, followed by Dinner

Dress: Lounge Suit

Professor Meng Law MBBS FRANZCR MD FASFN is the Program Director of Radiology and Nuclear Medicine at Alfred Health and Professor and Director of iBRAIN (integrated Bioinformatics Research in AI and Neuroimaging) Monash University. He undertook his undergraduate and specialty training in Melbourne but has been working in the USA for almost 20 years and has been involved with many US and international professional organisations, including President of the American Society of Spine Radiology and President American Society of Functional Neuroradiology.

Meng's major areas of research include the ageing brain and Alzheimer's Disease, AI, big data science and machine learning, advanced neuro MR imaging techniques, molecular imaging, traumatic brain injury and imaging in spaceflight. His iBRAIN lab at Monash University is focused on the discovery of neurovascular contributions & biomarkers in dementia, effects of prolonged spaceflight on the brain and AI in healthcare, including the ethics medicolegal aspects of AI, data cybersecurity and what happens when the humans are dead.

In the last 10 years, artificial intelligence has evolved very rapidly and demonstrated its ability to remove the variation in clinical care and errors that accompany the provision of healthcare by humans. Meng will discuss some of the current applications of AI in healthcare.

Multi-modal GPT, Text to Video Open AI, Sora large language models (LLMs) are poised to revolutionise AI in healthcare and medical imaging, negating the need for radiologists. There is also no need to generate images for diagnosis, as abnormalities invisible to the human eye are already being detected by AI, so there is no need for a human to see it.

Meng will also discuss the ethics and medico-legal aspects of AI: Do we tell patients we are using AI in their care? Does this require patient consent? Who is liable when AI makes a mistake? The doctor, the company who provides the AI? What makes AI safe or unsafe? What will AI look like in the future? When will we have autonomous AI providing our care without the oversight of a human doctor?

Members may bring guests who need not be legal or medical practitioners.

Acceptances close Friday, 5 April 2024 and no acceptances or refunds will be available after this date.

Members and their guests are reminded of the dress requirements. Mobile telephones may not be used inside the Melbourne Club. Urgent calls may be made to the Club on (9650 4941) and a message will be conveyed by Club staff.

The Committee reminds Members that the premises are to be vacated by 11.30 pm.

Host Member: Dr Glenn Howlett

Mr Ian Rose, Hon. Legal Secretary
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Dr Craig Barnett, Hon. Medical Secretary
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