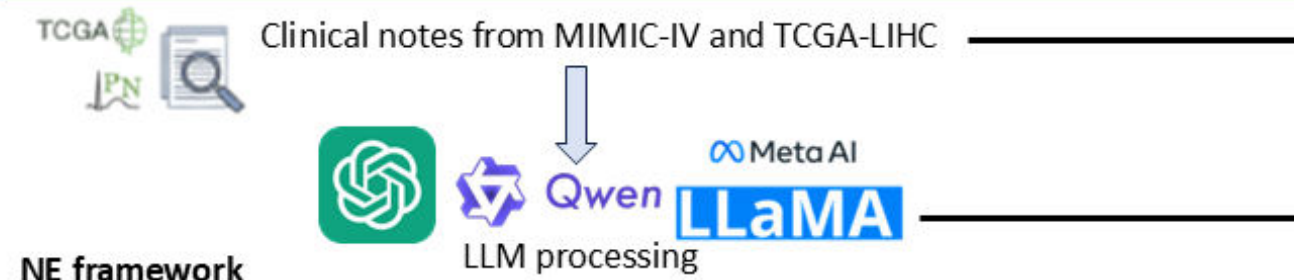


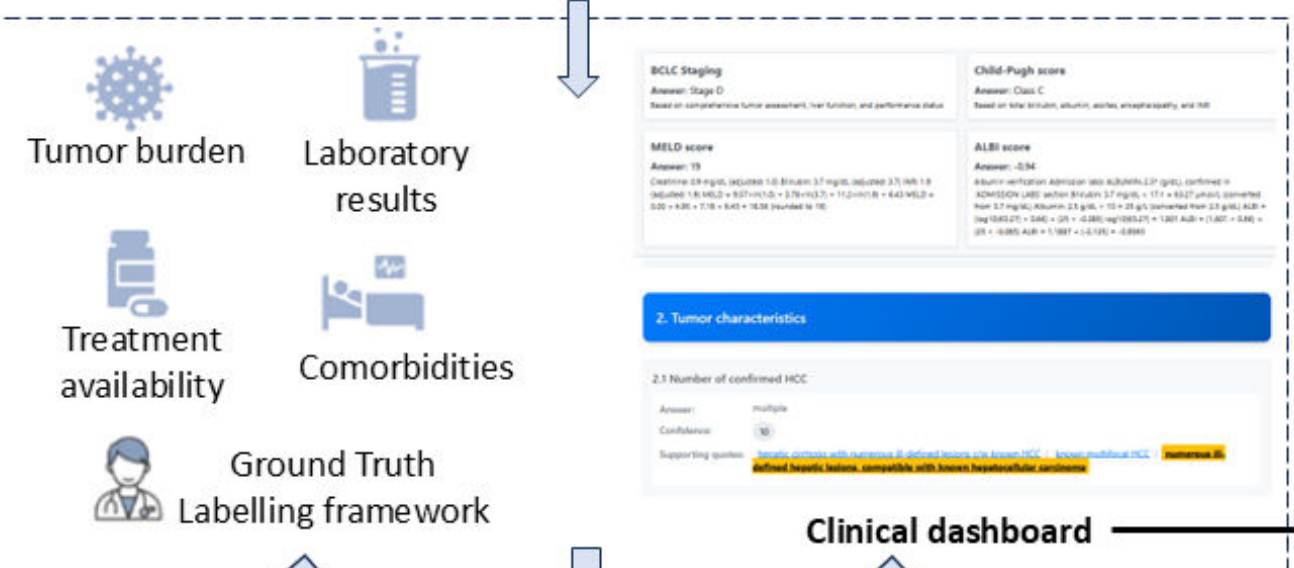
Development of an AI-enabled Clinical Decision Support System for Hepatocellular Carcinoma Patients

Dr. Loey Mak Lung Yi

Technology & Stage of development



NE framework



Liver function

BCLC staging

Treatment recommendations

Key advantage and Opportunity

Generalization

- Different types of clinical documents for generalization

Versatility and adoptability

- Applicable for online and offline LLMs
- Suitable for wide range of clinical and research applications

Clinical Relevance

- Engagement with clinical specialists to provide evidence-based BCLC staging and treatment recommendation
- Clinical dashboard for clinician verification and gatekeeping

Market Potential and scalability

- Tailored to local and overseas public healthcare settings

Intellectual Property

- **Patent application/Copyright** for IP protection
- **Licensing agreement** with HA for territory-wide adoption
- **Commercialization** with spin-off company targeting private hospital, private healthcare provider and other institutions
- Peer-review journals, Conferences, Other Dissemination



94% accuracy for Child-Pugh class

100% accuracy for BCLC staging

>90% accuracy for granular data

High accuracy and reliability

- First validated AI tool addressing technical challenge of AI adoption in HCC care

Dr. Loey Mak Lung Yi
lungyi@hku.hk
HKU Med LKS Faculty of Medicine
The University of Hong Kong
香港大學李嘉誠醫學院