

Medical A. I. Transcription Speech > Record > Documents

(Letters, Reports & Forms)

Work Less, Achieve More

Presented by:
N.S. CHENG, Y.X. NIE, S.N. HE, H. CHEN
Hong Kong University of Science and Technology (HKUST)



凝聚香港 - 醫護壓力大，AI可幫手？



Awards Winning* Trilingual Multi-speakers Multimodal Large Language Model*
Enhances Speech Recognition, Documents Generation and Clinical Workflow.

Pre-Consultation

SmartChat Voice Input Medical Chatbot
Collects preliminary symptoms and medical history.

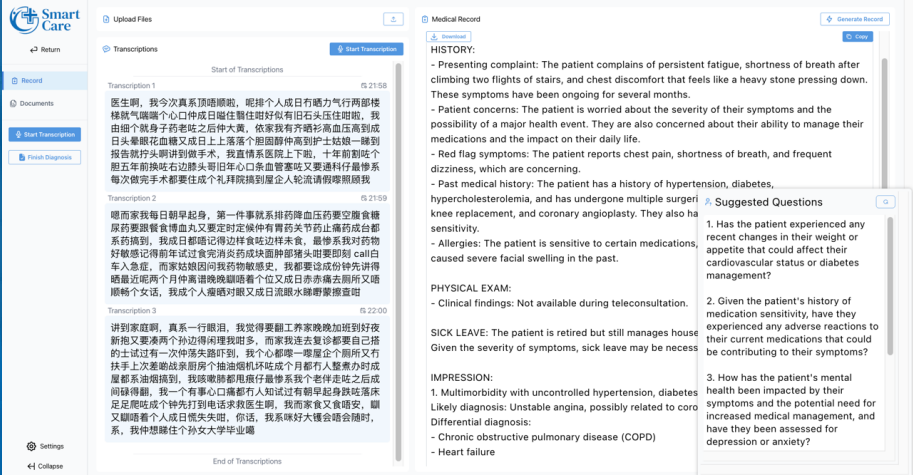
SmartTriage Customizable Triage System
Optimizes patient flow and waiting times.

0157	0160	0161	0162	0163
年齡 / 性別: 30 / M 醫生: 未分配 等待時間: 67h 2m	年齡 / 性別: 30 / M 醫生: 未分配 等待時間: 4h 3m	年齡 / 性別: 23 / M 醫生: 未分配 等待時間: 1h 27m	年齡 / 性別: 45 / M 醫生: 未分配 等待時間: 36m	年齡 / 性別: 30 / M 醫生: 未分配 等待時間: 1m
主訴: 前額頭痛、上腹痛、發燒、嘔吐	主訴: 上腹部間歇性腹痛	主訴: 腹痛、腹瀉、失眠、虛弱、噁心、腹脹及胃...	主訴: Sharp pain and dull ache in the right arm	主訴: 腹痛、腹脹

0141	0144	0151	0153	0159
年齡 / 性別: 35 / F 醫生: 未分配 等待時間: 306h 16m	年齡 / 性別: 27 / F 醫生: 未分配 等待時間: 213h 14m	年齡 / 性別: 25 / F 醫生: 未分配 等待時間: 75h 19m	年齡 / 性別: 20 / F 醫生: 未分配 等待時間: 73h 39m	年齡 / 性別: 28 / F 醫生: 未分配 等待時間: 5h 38m
主訴: 頭痛、頭痛、咳嗽伴黃痰、聲音沙啞、流鼻涕	主訴: Discomfort, cough with phlegm, runny nose,...	主訴: Week-long dry cough, worse at night	主訴: sore throat, painful swallowing, swelling in...	主訴: 咽喉疼痛、喉嚨痛、黃鼻涕和發熱

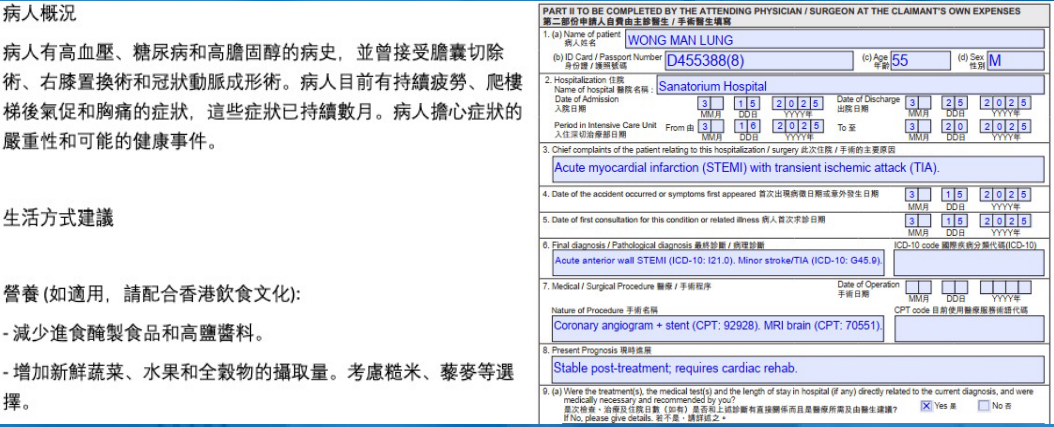
Consultation

SmartConsult Intelligent Transcription
Real-time transcription for focused patient interaction.



Post-Consultation

SmartDoc Automated Documentation
Generates 30+ medical documents, reducing administrative burdens.

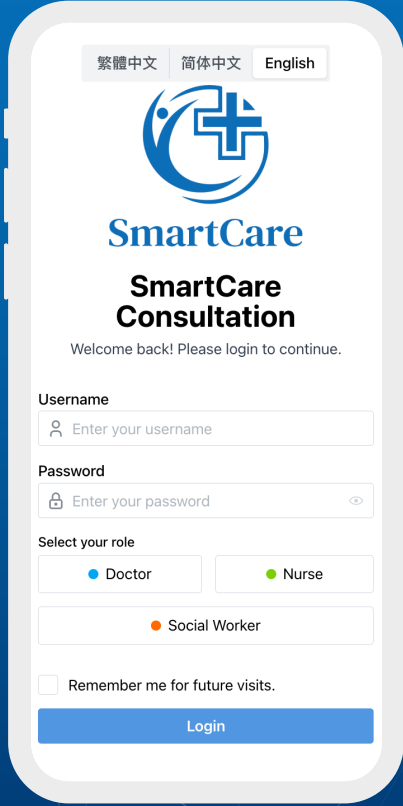


Key Findings

- Transcription Accuracy**
96.5%
- Documentation Time Savings**
50-70%
- Quality Improvement**
Notable enhancement in clarity and comprehensiveness.

Four Modules

HKUST's Innovative Platform* helps Primary Care Physicians Build Stronger Patient Relationships, Collaborate Seamlessly with Specialists, and **Deliver Faster, Smarter Care, with Better Outcomes***



Join Our Advisory Group!
Try Our Demo Accounts!
More Time for Care, Less Time on Charts, Better Satisfactions for All.



Requests For More Info*



Transforming Patient Care and Experience Through AI and Digital Innovation

PANOPTIC AI, Gleneagles Hospital, SmartCare

Collaboration Agreement Signing Ceremony
26 May 2025