

# Assessment of medical officers' knowledge on ai assisting patient management: A study in hospital USM

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## **ABSTRACT**

**Introduction:** Improved patient care and administration are being enabled by AI in several industries, including healthcare. To properly implement AI in clinical practice, medical officials must understand its impact on patient management. This study examines Hospital USM medical staff's understanding of AI in patient care. **Methods:** A cross-sectional survey was conducted among USM's medical officials. Participants' understanding of AI in patient management was assessed using a carefully designed questionnaire. Multiple-choice questions covered AI's role in diagnosis, treatment planning, and patient monitoring throughout the poll. Data analysis included descriptive and inferential statistics. **Results:** 82% of 150 medical officers responded to the study. 88% of participants were 25-40 years old and had 2–15 years of clinical experience. Initial research reveals medical officials comprehend AI in patient management moderately. Most participants knew about AI applications like medical imaging interpretation (84%) and clinical decision support systems (70%), but not predictive analytics (42%), or tailored therapy algorithms (38%). **Conclusion:** This study shows that Hospital USM medical officers have moderate AI expertise in patient care. AI applications are well understood in some areas, although predictive analytics and personalised treatment algorithms are still underdeveloped. In order to bridge these knowledge gaps, dedicated training may help medical officers incorporate AI technology in clinical practice, improving patient care and outcomes.