

UF Health Focused on Development of AI-Based Tools in Radiology



University of Florida (UF) Health researchers embark on an academic-industry partnership to make radiologist's work more precise and efficient.

The collaboration was set up to develop and optimise AI-based solutions that would improve quality and safety, whilst also helping radiologists work more effectively and faster.

Reza Forghani, professor of radiology and artificial intelligence in the UF College of Medicine, said, "We intend to accelerate development of solutions that enable seamless integration of AI into clinical practice. Those improvements will provide higher quality, cost-effective processes for improving patient care".

Forghani's lab will work with Nuance to advance radiology workflows and deploy AI tools within UF Health.

Radiology reports describe the results from imaging tests, revealing critical information regarding a patient's diagnosis, treatment response, and procedure results. Combining voice recognition technology with AI is one way to improve the accuracy and efficiency of radiology reports and can significantly cut the time taken to produce them. Additionally, AI can help to deliver key information to primary care physicians more quickly. Less time spent on reports allows radiologists to spend more time on other patient-related matters.

Patrick Tighe, an anesthesiology professor and associate dean for AI application and implementation in the UF College of Medicine, said, "By streamlining the reporting, a system like this helps them focus on the most rarified and special parts of what they do — focusing on diagnosing the patient's medical condition".

Forghani and Nuance already have deployed a clinical platform for their work. They will assess how easily and efficiently new AI tools can be made functional.

Forghani's lab will also collaborate with Nuance on projects to strengthen radiological interpretation reporting — focusing specifically on quality and efficiency.

Source: [UF Health](#)

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