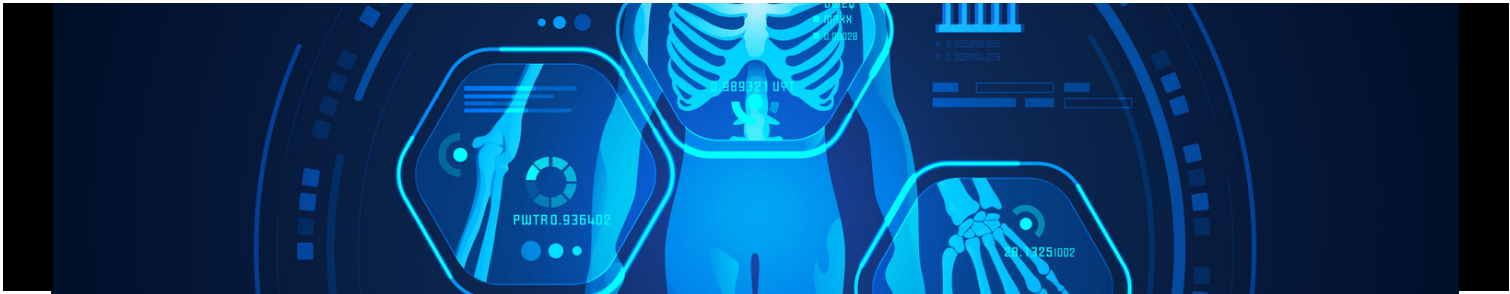


# EMRAD Innovation Newsletter

Bi-Monthly Newsletter



## THE VALUE OF IMAGING NETWORKS IN AI ADOPTION

By Chiamaka P. Ojiako

Artificial Intelligence (AI) is the new buzz word with a proliferation of healthcare solutions at a pace that has been nothing short of mind boggling. Despite the vast potential of AI in improving healthcare efficiency and quality while saving cost, the current fragmented approach to adoption remains a huge barrier to sustainable deployment and adoption.

A collaborative approach through Imaging networks like the East Midlands Imaging Network (EMRAD) would provide valuable resources for both the Trusts and innovators and enable the needed communication for deploying AI solutions that are fit for purpose from both the clinicians' and patients' perspective.

AI is particularly timely for radiology and imaging given the shortage of radiologists amidst the high demand for imaging services. In recognition of the vast possibilities of AI, EMRAD, an imaging network, hosted its second AI Forum in collaboration with the East Midlands Academic Health Science Network (EMAHSN) to showcase AI solutions at different stages of the innovation pipeline - discover, develop, deploy and sustain. It commenced with a thought provoking session by our Medical Director, Dr. Iain Macleod, on pertinent questions that need answers in developing and deploying AI in radiology;

|                     |                             |
|---------------------|-----------------------------|
| Is it safe?         | Who owns it?                |
| Is it useful?       | Whose responsibility is it? |
| Is it good value?   | Can we let it learn?        |
| How do we train it? | Can we learn from it?       |
| How do we build it? | Do we want it?              |
| How do we use it?   | Where do we want it?        |

### Newsletter Highlights

Key AI Questions

EMAHSN Resources

EMRAD Value

Product Showcases

EMRAD Innovation Interest Group

Call for Contributors

## PRODUCT SHOWCASES: RADIOBOTICS; INNERSIGHTS LAB

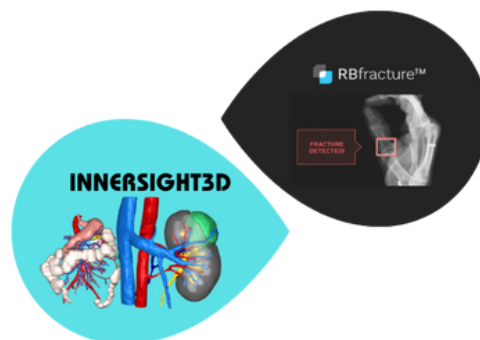
Our next presenter from the session was Dawn Plummer, Digital Health Innovation Lead of EMAHSN, who highlighted the support they provide to local organisations and innovators.



The introductory session wrapped up with a presentation by Chiamaka P. Ojiako, EMRAD Innovation Lead, on the value networks like EMRAD bring to AI adoption by providing a single point entry, brokering connections with the right stakeholders and providing consistent processes for AI deployment.

### EMRAD's Innovation Interest Group

If you are a member of staff within a Trust in the EMRAD Imaging network and would like to be join our innovation interest group please drop us an email via [@info.Emrad@nuh.nhs.uk](mailto:@info.Emrad@nuh.nhs.uk) to express your interest



After the introductory session, Mads Brevadt, CEO Radiobotics, presented RBfracture, an AI solution that automates fracture detection on x-rays and gives decision support to A&E staff and readers.

James Jenkins, Operations Manager of Innersights Lab, spoke about its 3D solution that processes uploaded scans into 3D models for better surgical planning and improved surgical outcomes.

Dr Indrajeet Das, Consultant Cardiologist from University Hospitals of Leicester presented on AI's potential to impact the detection and diagnosis of cancer through urgent triage of abnormal CXRs.

Jaqueline Moxon, EMRAD Head of Programmes wrapped up the event with EMRAD's offer to AI companies; shared vision amongst EMRAD organisations, knowledgeable staff, robust data sharing and governance arrangements, established procedures and processes, our developing Secure Data Environment to support data curation, and strategic vision to deploy a central AI Platform.

A key takeaway is to take advantage of our single point entry resources if you have any AI or innovation solutions that you would like to deploy within the Trusts in EMRAD's network.

### Call for contributors within EMRAD

We welcome contributions on AI and innovation more broadly. If you have an idea for a feature article or opinion piece contact [@info.Emrad@nuh.nhs.uk](mailto:@info.Emrad@nuh.nhs.uk) with a brief description of the article/op-ed's focus.