

HEALTHTECH PULSE

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PRECISION ONCOLOGY REQUIRES DEEP AND RICH DATA

Precision oncology harnesses detailed genetic data to customize cancer treatment, enhancing the efficacy and specificity of therapies for individual patients.

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LIFE-SAVER TECH: BIG DATA AND CARDIAC CARE

Big data and AI are transforming cardiac care by enabling the prediction and prevention of heart diseases by leveraging extensive health datasets, facilitates the development of personalized treatment.

[*Read more*](#)

UNDERSTANDING THE IMPACT OF GEN-AI ON INDIAN HEALTHCARE

Generative AI is transforming Indian healthcare by enabling personalized care and streamlining data management, significantly improving patient outcomes and operational efficiency.

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TRENDSPOTTING: WHAT'S COMING FOR DIAGNOSTICS IN 2024

WHO LAUNCHES GEN-AI POWERED DIGITAL HEALTH PROMOTER S.A.R.A.H. FOR PUBLIC HEALTH

GOVT LAUNCHES APP FOR CGHS BENEFICIARIES TO IMPROVE ACCESS TO HEALTHCARE SERVICES

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PRECISION ONCOLOGY REQUIRES DEEP AND RICH DATA

With a strong focus on next-gen technologies, New York-based Memorial Sloan Kettering Cancer Centre (MSK) brings new advances more quickly from the laboratory to patient care. In this interview, two of its senior physicians – Mrinal M. Gounder, sarcoma oncologist & early drug development specialist and physician ambassador to India and Asia and Peter D. Stetson, chief health informatics officer and hospitalist – spoke to Sudhir Chowdhary on MSK's digital strategy and the latest advances in cancer research, detection and treatment.

How is AI being used in cancer research? Stetson: AI in oncology is getting actively explored in cancer detection, early drug development, tumour evolution prediction, and clinical trials matching. It is being explored at all levels of cancer biology from subcellular to population level analyses. It is an exciting time. On a more mundane but critical foundational level, AI has the potential to enrich the very datasets used to develop AI/ML models.

[Read the full interview here in Financial Express](#)



WHO LAUNCHES GEN-AI POWERED DIGITAL HEALTH PROMOTER S.A.R.A.H. FOR PUBLIC HEALTH

The WHO announced the launch of S.A.R.A.H., a digital health promoter prototype with empathetic AI response,

S.A.R.A.H. can engage users in 8 languages, 24/7, on various health topics, and is capable of detecting tumor cells and predicting bone cancer and WHO emphasizes the digital future of health, with S.A.R.A.H. providing interactive, real-time, and empathetic health information.

Continuous research is encouraged to address ethical concerns like equitable access, privacy, and data protection in AI for public health.

[Read the article here in Financial Express](#)

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UNDERSTANDING THE IMPACT OF GENAI ON THE INDIAN HEALTHCARE ECOSYSTEM

Generative AI is revolutionizing medical imaging by enhancing the accuracy and efficiency of diagnostic processes. Image Synthesis allows for the creation of realistic images to supplement limited datasets, improving the training and accuracy of diagnostic models. Image Denoising and Enhancement techniques provide clearer images for better diagnosis. Image Segmentation helps in precise identification of conditions, while predicting patient outcomes and aids in formulating personalized treatment plans as anomaly detection is crucial for the early discovery and treatment of medical conditions.

LIFE-SAVER TECH: BIG DATA AND CARDIAC CARE

AI is revolutionizing cardiac care. By analyzing extensive data, including electronic health records, genetics, lifestyle factors, and real-time wearable data, AI algorithms detect subtle patterns and risk indicators. This personalized approach moves us closer to the goal of personalized medicine. For instance, recent research demonstrated an AI model accurately predicting the risk of coronary artery disease years before clinical symptoms manifest.

Read the article here in financialexpress.com/

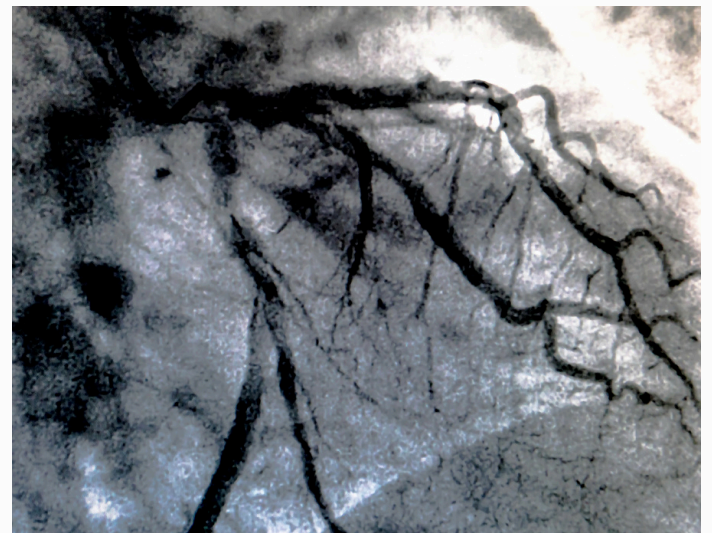
GenAI thus supports radiologists in their work and also paves the way for advancements in precision medicine.

The PwC report from March 2024 discusses the transformative impact of Generative AI (GenAI) on the healthcare ecosystem in India. It highlights how GenAI could revolutionize healthcare by developing more efficient and scalable digital health systems, which is essential for the industry's survival. The report emphasizes the potential of GenAI to enhance patient experience, improve productivity, and optimize administrative efforts

Impact of GenAI in imaging and radiology:

- Improves medical imaging and diagnostics, aiding healthcare professionals in making more accurate diagnoses.
- Facilitates the creation of personalized medicine and treatment plans by analyzing patient data.
- GenAI accelerates medical research, drug discovery, and development processes.
- It optimizes operational efficiency and enhances productivity within healthcare settings.

Read the article here in <https://pwc.in>



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GOVT LAUNCHES APP FOR CGHS BENEFICIARIES TO IMPROVE ACCESS TO HEALTHCARE SERVICES

The Indian government has launched the 'myCGHS' app for iOS to improve healthcare access for Central Government Health Scheme beneficiaries. This app provides a suite of services, including electronic health records, online appointment bookings, lab report access, medical claim status checks, and a directory of wellness centers and empanelled healthcare facilities. Union Health Secretary Apurva Chandra has emphasized that this app marks a significant advancement in healthcare services, offering ease of access to essential features. Additionally, the app incorporates robust security measures such as two-factor authentication and mPIN to protect user data and ensure privacy.

Read the article here in <https://msn.com>

TRENDSPOTTING: WHAT'S COMING FOR DIAGNOSTICS IN 2024

The 2024 diagnostics trends are shaping up to be transformative, with a strong focus on AI and machine learning to support diagnostic development. Experts predict that AI will reach the slope of enlightenment on the hype cycle curve for AI-based diagnostics, with machine learning providing better aid and efficiency in diagnostic processes. Innovations in early-stage cancer detection and the identification of relationships among liquid biopsy markers are expected to enhance the sensitivity of assays. Additionally, advancements in genome sequencing will allow for earlier disease diagnosis, even before symptoms are confirmed, and expanded newborn screening (NBS) systems will enable large-scale correlations between screened individuals to match patients to the most appropriate treatments

Read the article here in <https://diagnosticsworldnews.com>

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