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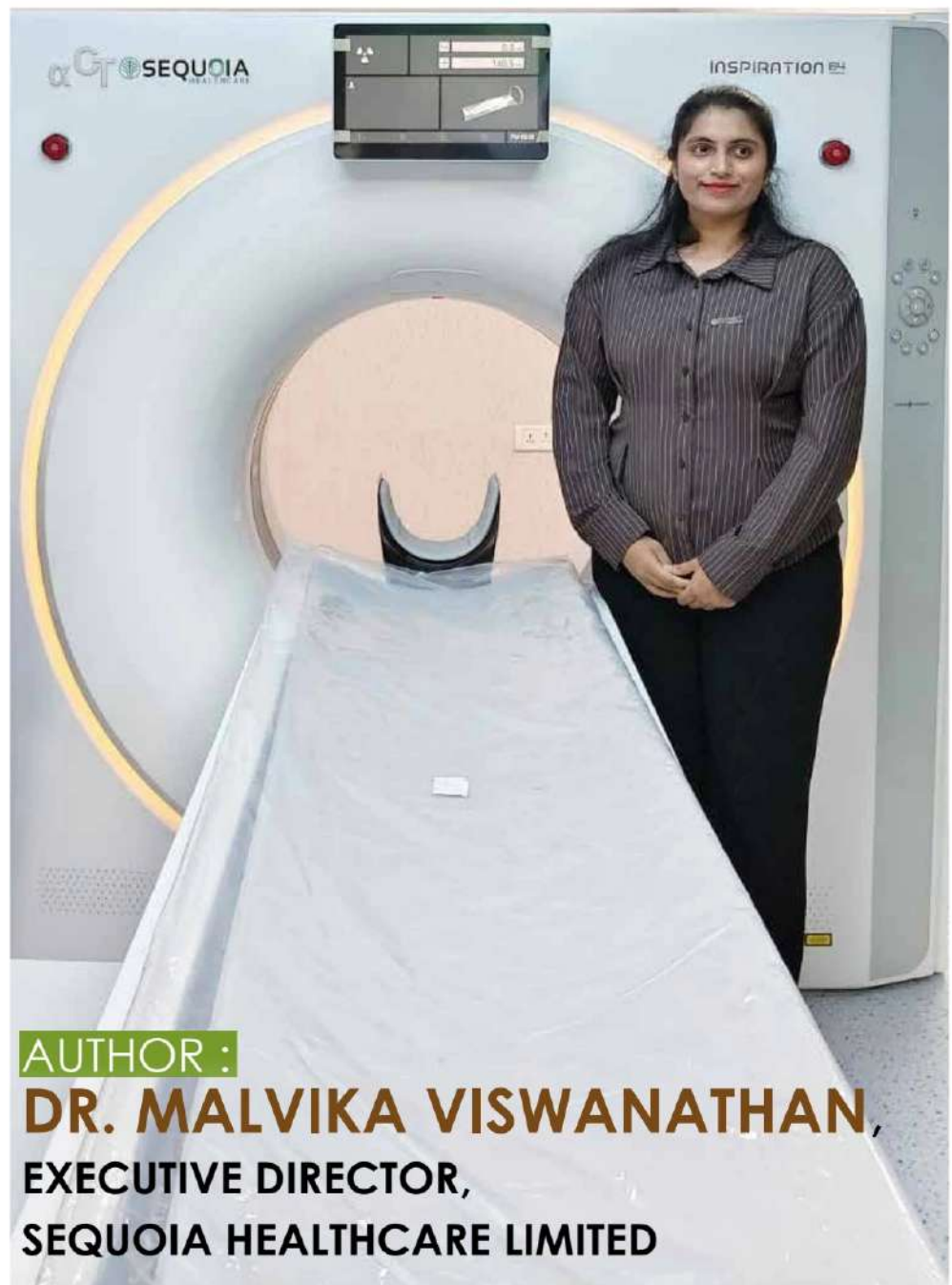


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DIAGNOSTICS AT REACH: THE NEXT STEP IN INDIA'S IMAGING REVOLUTION

Diagnostic imaging has become one of the most powerful enablers of modern healthcare. Technologies such as Magnetic Resonance Imaging (MRI), Computed Tomography (CT), PET-CT, ultrasound and digital radiography are fundamental to the early detection, diagnosis and management of a wide range of diseases. From identifying stroke and cancer to evaluating cardiovascular, neurological and musculoskeletal disorders, advanced imaging provides clinicians with the information needed to make timely and accurate treatment decisions. As healthcare increasingly embraces precision medicine and preventive care, access to quality diagnostic imaging has become essential to improving patient outcomes.

India has made significant progress in strengthening its healthcare infrastructure, yet access to advanced imaging remains uneven. While metropolitan cities are well served with sophisticated diagnostic facilities, many Tier-2, Tier-3 and rural regions continue to have limited access to MRI and CT services. With nearly two-thirds of the country's population



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living outside major urban centres, patients often travel long distances for essential diagnostic examinations. These delays increase healthcare costs, postpone treatment and contribute to avoidable disparities in clinical outcomes.

Encouragingly, this gap is beginning to narrow. Government initiatives, expanding private healthcare investments and growing awareness of early disease detection are driving the establishment of advanced diagnostic facilities across smaller cities. At the same time, indigenous manufacturing, artificial intelligence (AI) and workflow automation are transforming the economics of medical imaging by making advanced technologies more affordable, efficient and sustainable. Supported by initiatives such as **Make in India and the Production Linked Incentive (PLI) Scheme**, India is steadily building the capability to design and manufacture



world-class medical imaging systems while reducing dependence on imported technologies.

This transformation is embodied in **REACH – Radiology Equipment Accessibility for Cost-Effective Healthcare**. More than an acronym, REACH represents a commitment to ensuring that advanced diagnostic imaging is accessible, affordable and available to healthcare providers across the country. Through indigenous innovation, engineering excellence, manufacturing and comprehensive service support, Sequoia Healthcare Limited is working to bridge India's diagnostic imaging gap and strengthen healthcare delivery beyond metropolitan centres.

The REACH philosophy extends

beyond the deployment of equipment. It focuses on building sustainable diagnostic ecosystems that enable hospitals and imaging centres to deliver reliable, high-quality services close to where patients live. This approach aligns closely with India's broader vision of expanding equitable healthcare access and ensuring that advanced diagnostics become an integral part of community healthcare rather than a service available only in major cities.

A notable example of this vision is the **Late Bhanutai Gadkari Memorial Diagnostic Centre**, established with the support of the Andhra Pradesh MedTech Zone (AMTZ). During its inauguration, Maharashtra Chief Minister Devendra Fadnavis emphasised the importance of ensuring that every citizen has access

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to primary healthcare supported by affordable diagnostic services. The centre demonstrates how indigenous manufacturing can significantly reduce the cost of advanced imaging while maintaining high clinical standards, providing a scalable model for delivering quality diagnostics to underserved communities.

Innovation continues to accelerate this transformation. Artificial intelligence is rapidly becoming an integral component of modern radiology, improving image quality, simplifying workflows and enhancing diagnostic confidence. AI-powered image reconstruction, automated scan planning, intelligent dose optimisation and workflow automation enable radiology departments to increase productivity while maintaining consistency and reducing operator dependence.

Reflecting these advances, the Sequoia Clarity 1.5 Tesla MRI, available in both Zero Boil-Off and Helium-Free configurations, incorporates Magic Skyray Intelligent Reconstruction (MSIR), an AI-powered platform that enhances signal-to-noise ratio, improves spatial resolution, reduces image noise and artefacts, and enables faster examinations without compromising diagnostic accuracy. Intelligent workflow automation further streamlines operations and improves patient throughput.

Complementing the MRI platform, Sequoia Healthcare's Inspiration 64, Inspiration 64+ and Inspiration 128



Slice CT systems combine AI-assisted image reconstruction, intelligent radiation dose optimisation and automated workflow technologies to deliver high-quality images while minimising radiation exposure. Faster acquisition and reconstruction support timely clinical decision-making, improve departmental efficiency and enhance the overall patient experience.

However, the true success of India's imaging revolution will not be measured solely by technological innovation. It will be determined by how effectively these technologies reach district hospitals, charitable institutions, community health centres and emerging healthcare facilities serving millions of people beyond the country's largest cities. Innovation achieves its greatest value only when it becomes widely accessible.

As India advances towards precision

medicine, preventive healthcare and digital health integration, expanding access to diagnostic imaging will remain fundamental to strengthening the nation's healthcare system. Through its REACH – Radiology Equipment Accessibility for Cost-Effective Healthcare mission, Sequoia Healthcare Limited is committed to combining indigenous manufacturing, intelligent imaging technologies and dependable nationwide service support to make advanced diagnostics available wherever they are needed. By bringing world-class imaging within reach of every community, REACH is helping shape a healthcare future that is more accessible, equitable and technologically self-reliant for India.

