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Aster CMI Hospital set to revolutionise nerve ultrasound diagnostics

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Exemplifies the hospitalâ??s dedication to addressing medical challenges



Aster CMI Hospital charges ahead as a healthcare artificial intelligence (AI) patron with its groundbreaking innovative technology, which supports the health experts on various aspects of treatment such as analysing vast amounts of data that could lead to earlier and more accurate diagnoses of diseases, developing new treatment options, and immediate monitoring of vitals for various specialties.

AI Carpal Tunnel syndrome (CTS) is one such technology that is developed by the Neurology Department which is poised to revolutionise nerve ultrasound diagnostics. This technology redefines, diagnoses, and screens efficiently. It can identify the median nerve in ultrasound videos and detect CTS with the highest accuracy (95%) marking a significant leap in healthcare innovation. The AI tool signifies a transformative stride towards precision and efficiency in CTS diagnosis, marking a new era in healthcare.

“As we witness the healthcare landscape evolve from a prescriptive to a predictive model, AI emerges as the catalyst for this transformative journey. Our close collaboration with government bodies underscores our commitment to ethical AI practices, rigorous regulatory compliance, and the highest standards of data privacy and security. This transformative, technology-enabled tool marks a new dawn in healthcare” says Dr Nitish Shetty, CEO, Aster DM Healthcare.

Commenting on the occasion, Dr Lokesh Bathala, Lead Consultant Neurology said, "This lab is an exemplification to the unlimited potential of AI in healthcare. We are pushing the boundaries of medical science, designing AI tools that will transform the future of diagnosis, treatment, and prevention. These AI tools can prevent long-term complications and improve the quality of life. It can also minimize the need for repetitive examinations and invasive procedures, reducing patient’s discomfort and anxiety. While the AI tools significantly reduce the inference time, it is important to note that the final diagnosis will always be carried out by the physician.”

Left To Right: SGS Lakshmanan, Chief Operating Officer Aster CMI Hospital; Ramesh Kumar S, CEO, Aster Hospitals; Dr Lokesh Bathala, Lead Consultant Neurology; Prof. Phaneendra Yalavarthy Dept. of Computational and Data Sciences, Indian Institute of Science at the unveiling of AI technology at Aster CMI Hospital