

Apollo Hospitals, Medtronic to use AI for stroke management

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Apollo Hospitals Group has announced a partnership with India Medtronic Private Limited, a wholly owned subsidiary of Medtronic plc to integrate artificial intelligence (AI) for advanced stroke management for the first time in India.

The US FDA approved AI platform for stroke diagnosis has been validated by clinical trials. The AI software will provide automated analysis in less than two minutes as against currently accepted imaging practices for diagnosis of stroke that takes up to one hour to complete, enabling faster decision making in stroke where every second counts.

Through this partnership, Medtronic will help in bringing in stroke technologies, technical expertise, training and comprehensive stroke management with the integration of AI platform at the Apollo Institute of Neurosciences.

Dr Prathap C Reddy, Chairman, Apollo Hospitals Group said, "There is an urgent need to improve the treatment and management of stroke using digital technologies. This partnership brings together Apollo Hospitals' clinical expertise, AI platform and stroke technologies from Medtronic to transform stroke treatment in the country."

Madan Krishnan, Vice President, Medtronic Indian Subcontinent said, "We are aiming to address the current treatment gaps in stroke with our innovative technologies, aiming at reducing door to needle time, thereby potentially improving outcomes for patients. Our partnership with Apollo Hospitals will further our goal of creating awareness and providing quicker access to quality healthcare for stroke patients in India."

The platform uses AI to create high quality, advanced images from non-contrast CT, CT angiography, CT perfusion, MRI diffusion and perfusion scans, helping hospitals to improve time-critical triage or transfer decisions and facilitate better patient outcomes. The stroke team will be able to remotely access the brain scans of stroke patients with the AI analysis on mobile app or email for faster decision making without losing time.

The AI technology-enabled advanced stroke management will be launched at the Apollo Institute of Neurosciences at Apollo Hospitals, Bannerghatta Road, Bengaluru; Apollo Hospitals, Greams Road, Chennai; Apollo Hospitals Navi Mumbai; Apollo Hospitals, Ahmedabad; Apollo Hospitals, Jubilee Hills, Hyderabad; Indraprastha Apollo Hospitals, New Delhi; Apollo Speciality Hospitals, Jayanagar, Bengaluru; Apollo Hospitals, Sheshadripuram, Bengaluru; Apollo BGS Hospitals, Mysore; and Apollo Hospitals, Indore.