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Yashoda Hospitals unveil AI-integrated PET/CT on World Cancer Day

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The combined PET/CT Scan at Yashoda Hospitals, Somajiguda merges PET and CT images and provides detailed information about the size, shape and differentiating cancerous lesions from normal structures with accuracy



A state-of-the-art ‘artificial intelligence integrated PET/CT’ was inaugurated by Dr G Srinivas Rao, Director, Public Health & Family Welfare, Government of Telangana in the Nuclear Medicine Department at Yashoda Hospitals, Somajiguda on February 4, 2021 which also happens to be World Cancer Day.

“This year's World Cancer Day's theme, 'I Am and I Will', is all about you and your commitment to act. The new scanner is now two times faster than the old generation scanners primarily due to the advanced technology known as ‘time of flight.’ The scanner provides best quality images with reduced scanning duration and lesser radiation dose,” said Dr Rao.

Apart from the newly upgraded imaging of FDG PET/CT, the department provides advanced and rare imaging like Ga-68 DOTA, Ga-68 PSMA, 18F DOPA PET/CTs, DAT imaging & WBC scans, apart from routine gamma imaging like bone scan & renal scintigraphy.

“NextGen PET-CT is effective in the diagnosis of cancer, endocrine abnormalities and neurodegenerative disease,” said Dr Lingaiah Amidayala, Director - Medical Services, Yashoda Hospitals Group, Hyderabad.

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With this new technology, motion artefacts caused by respiration can be decreased and accurate diagnosis achieved.

- New generation PET scan

- Time of flight technology

- Reduced scan duration by 50 per cent and radiation exposure

- High definition images

- 4D PET-CT (Motion sensors)

The use of PET scans will also help the doctors to more accurately detect the presence and location of new or recurrent cancers.