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Redefining cancer diagnostics with Digital PET CT scanner

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PET CT scan is crucial for accurate diagnosis of cancer



HCG – the specialist in cancer care introduces the first Digital PET CT scanner in Karnataka, for high precision diagnosis in cancer and therefore better treatment planning. Biograph VISION- 600, by Siemens is the first UDR detector with 3.2-mm LSO crystals[a] and helps in visualizing smaller lesions. It improves accuracy, performance, and reproducibility to see a whole

new world of precision in PET/CT imaging. The blend of resolution and effective sensitivity assists in evaluating the impact of the treatment in prior.

Addressing the press, Dr. KG Kallur, Director - Molecular Imaging, HCG said, “In cancer care, the need of the hour is precision and accuracy and a PET CT scan is crucial for accurate diagnosis of cancer. With the adaption of Digital PET CT, HCG will now have the advantage to report cancerous lesions or tumors more accurate and fast, eventually plan the treatment better and achieve the desired clinical outcome for a patient. This is possible because of the enhanced imaging technique provided by VISION-600 Digital PETCT, combined with the expertise of the Molecular imaging department, focused to offer superior service to patients for early diagnosis of cancer.”

He further added, “In this unit of HCG, we do about 30 to 50 PET CT Scans in a day and the demand is surging with increased awareness on early cancer diagnosis. The waiting time of patients will reduce along with the hazardous risks of radiation for our medical technicians as the amount of isotope usage for the scan, will be reduced by 50% in Digital PET Scan. ”

Dr. B.S Ajaikumar, Chairman & CEO, HCG Enterprises Ltd said, “In cancer care, early diagnosis has proven to be the key and treating it the right way the first time with proper staging results in achieving better outcomes. We at HCG, are happy to announce the introduction of Digital PET CT, which transforms diagnosis and therapy to a much higher level. We are able to achieve precision and make disease staging even at the millimeter level and deliver appropriate treatment. This is the highest technology possible globally for image diagnosis. HCG has always invested in the best of technology and expertise for our patients for improved outcomes, testified by Harvard Business Review and the World Bank. This is another milestone for us in achieving our goals towards precision medicine and outcomes on par with global standards.

“We are proud to partner with HCG, who is a renowned cancer care provider in India. With exceptional features such as the market’s fastest time-of-flight and highest effective sensitivity, Biograph Vision™ helps reduce scan time and injected dose, reducing patient exposure to radiation. We look forward to our journey together in transforming care delivery by setting benchmarks for precision in PET/CT imaging.” said, Mr. Vivek Kanade, Executive Director, Siemens Healthineers, India

Advantages of Analog VS Digital PET CT

Analogue PET CT	**Digital PET CT**
Slow processing	Faster processing and crystal technology
Time taken: 15- 20 mins	Time taken: 5 mins
Precision levels are low	Precision levels are very high, crisp and improved image quality
Isotope levels are high	Isotope levels are reduced by 50-70%