

Siemens brings world-class healthcare technologies to Coimbatore

The Healthcare Sector of Siemens Ltd. has installed five state-of-the-art medical technologies at Kovai Medical Center & Hospital in Coimbatore, raising quality and efficiency of healthcare availability in this city. Making its presence for the first time in Tamil Nadu, these technologies allow highly accurate and early diagnosis of all kinds of ailments, thus aiding precise treatment.

At Kovai Medical Center & Hospital (KMCH), Siemens Healthcare has installed the following products and technologies: first-of-its-kind Artis Zee Biplane Cathlab, MAGNETOM Skyra 3T MRI scanner – the first such scanner in Tamil Nadu, Biograph 6 PET/CT scanner – first PET/CT scanner in Coimbatore, Symbia T SPECT-CT scanner and MAMMOMAT Inspiration mammography system – first such system in Coimbatore and second in India. These systems allow doctors an excellent inside view into the body of their patients and will ensure top notch healthcare to the citizens of Coimbatore and surrounding areas.

With mounting industrialization and increasing population in Coimbatore, a new class of young and educated working professionals has been formed who are highly health conscious. Given their demand for better quality of life, they do not see quality treatment as an expense, but rather a necessity. Despite being well equipped with healthcare facilities, niche solutions such as those provided by Siemens are not commonly available in cities like Coimbatore. People thus travelled to neighbouring cities like Chennai or Vellore. This incurred heavy costs on patients and also was a deterrent for early diagnosis. With India on the growth path and projections indicating that the country will add over 68 cities with over one million population*, it is imperative that quality healthcare is made accessible to these cities. Siemens Healthcare thus has focus on cities like Coimbatore, which are expected to grow. To tackle this particular issue, Siemens along with KMCH has taken the initiative to install these top notch equipments.

On this occasion, Mr. D Ragavan, Executive Vice President, Siemens Healthcare and Head-Imaging & Therapy, Siemens South Asia Cluster said, “Siemens is known for bringing innovative solutions to provide quality healthcare in India. KMCH is another such example where Siemens is

* McKinsey Global Institute- India's Urban Awakening: Building inclusive cities, sustaining economic growth

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helping the institute to advance human health. With these hi-end technologies, KMCH can now provide cutting-edge healthcare facilities cost-effectively. We are delighted that with this installation, latest technologies are now within the reach of patients in and around Coimbatore.”

Dr. Nalla G. Palaniswami, Chairman, KMCH commented, “We are convinced that currently the best technology in healthcare is available with Siemens. For instance the Tim CT technology that allows fastest MRI scanning or the Dyna CT feature in the cath lab giving minutest details of the vessels is indeed world-class. Today we at KMCH are offering the people of Coimbatore, superior healthcare equivalent to the best centres in the world. We are not only confined to provide state-of-the-art technologies, but are also offering patient friendly ambience to experience comfort and aid quick recovery.”

The **Siemens Healthcare Sector** is one of the world's largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics, medical information technology and hearing aids. Siemens offers its customers products and solutions for the entire range of patient care from a single source – from prevention and early detection to diagnosis, and on to treatment and aftercare. By optimizing clinical workflows for the most common diseases, Siemens also makes healthcare faster, better and more cost-effective. Siemens Healthcare employs some 48,000 employees worldwide and operates around the world. In fiscal year 2010 (to September 30), the Sector posted revenue of 12.4 billion Euros and profit of around 750 million Euros. For further information please visit: www.siemens.com/healthcare.

Siemens technologies at KMCH

Artis Zee Biplane Cathlab

Early and accurate diagnosis and staging of any disease plays a significant role in the choice of treatment, which otherwise impacts treatment time and cost. Artis Zee Biplane Cathlab system is used for interventional radiology procedures, especially helpful in treating cerebro-vascular complications. It allows accurate and early diagnosis and performs complex procedures within the brain and abdomen with minimal patient trauma to aid early recovery. The advantage of these procedures is that they can be performed without shifting the patient to the operation theatre. Artis Zee comes with a large display monitor, a first in India, giving the operating doctors minutest details in the brain. A special feature of Artis Zee, called *syngo* Dyna CT provides excellent images of fine vessels and tumours in the brain. Results are available for assessment in less than 50 seconds for neuro images. Artis Zee also comes with large sized detectors offering frontal and lateral view of any part of the human body simultaneously. This is a unique feature, which is not commonly available in India.

MAGNETOM Skyra 3T MRI

MAGNETOM Skyra 3T MRI is first such scanner in Tamil Nadu. It is a new generation scanner, with a unique combination of Tim (Total Imaging Matrix), 4G (fourth generation) and Dot (Day optimizing throughput) engine. Skyra is the only MRI scanner in the world with this combination. Along with a 48 Channel radio frequency receiver, it delivers superior image quality providing accurate results and personalized patient care in very less scanning time. The unique Tim CT Oncology Dot engine can perform whole body oncology examinations in just 10 minutes, compared to the conventional time of 30-45 minutes. Skyra MRI scanner also has neuro, cardio, abdomen and angio Dot engines to further optimize the workflow. Additional feature includes a 70 cm wide bore avoiding claustrophobia, thus allowing easy scanning of children, obese, critical and old patients.

Biograph 6 PET/CT scanner

Diagnosis and staging of cancer is best done by Positron Emission Tomography CT (PET/CT) scanners. Siemens has installed Biograph 6 PET/CT scanner in KMCH, which is also the first PET/CT scanner in Coimbatore. It comes with a High Definition PET (HD.PET) feature that offers uniform resolution of 2 mm across the entire patient body, helping to pick up even the tiniest lesions. Another feature of Biograph 6 is the CT Respiratory Gating that records patient's respiratory data. This data can be transmitted to any linear accelerator – equipment that uses radiation to treat tumours – thereby enabling accurate treatment of moving lesions. For example, treatment of lesions in the lung region, which otherwise are impossible to treat because of their continuous shifting owing to breathing.

Symbia T SPECT-CT gamma camera

The Symbia T SPECT-CT gamma camera allows acquisition of both molecular and CT images of the patient in the same scan to show the exact position of the tumour or any defect in the body.

The system provides very clear images to accurately diagnose ailments in cardiology, neurology, nephrology, etc.

MAMMOMAT Inspiration

Breast cancer is an urban disease and not so common in Coimbatore. But as a preventive step, KMCH has installed top-of-the-line MAMMOMAT Inspiration system. This is a fully digital mammography platform that allows early diagnosis and performs automated stereotactic biopsy. The superior image quality of Inspiration helps to identify the smallest lesion (up to 1 mm) in a breast, which is not possible by conventional methods. Once a lesion is detected, an immediate biopsy procedure can be performed by the stereotactic biopsy method, which can effectively target the suspected lesion and extract the sample automatically, without any manual intervention. The entire process takes less than 5 minutes without causing any discomfort to the patient – another benefit over conventional methods of screening.