

ACHIEVEMENTS IN HEALTHCARE

Kailash Cancer Hospital & Research Centre, Muni Seva Ashram, Goraj



INVESTMENTS BY KCHRC, MSA

MRI: Siemens -
Magnetom Sola

Magnetom RT

Prostate Biopsy -
Soteria Medical BV's

Siemens Breast Care
Solution

MRI: SIEMENS - MAGNETOM SOLA

1.5 Tesla magnetic resonance imaging (MRI) scanner from Siemens Healthineers with Siemens' BioMatrix technology.

- Biomatrix Technology:
- Innovative BioMatrix technology available for the first time at 1.5 Tesla MRI
- New smart BioMatrix Sensors: The new Kinect Sensor1 detects and corrects for head motion, the new Beat Sensor1 detects cardiac motion in real-time.
- Significantly accelerated musculoskeletal scans in nearly half the time with Simultaneous Multi-Slice technology
- New clinical capabilities at 1.5T with free-breathing, push-button dynamic liver and cardiac cine imaging, as well as whole-body exams

MAGNETOM RT

Pro edition for Magnetom Sola will set new standards for MRT imaging for radiation therapy planning. With syngo.via RT Image Suite, radiation therapy planning can easily be enriched with detailed anatomical and functional soft-tissue contrast information of MRT images. The new scanner will support the institution by increasing its RT planning capabilities and in improving patient outcomes as well as pave the way for more precise and reproducible RT planning.

PROSTATE BIOPSY - SOTERIA MEDICAL BV'S

Soteria Medical BV's goal is to improve MR-guided biopsies (MRgBx) of the prostate. Soteria has developed a unique new system for MR-guided interventions - based on a novel, patented motor principle. It enables the physician to perform a targeted prostate biopsy - using the best possible imaging modality with the same image quality for diagnostic imaging and biopsy guidance - to further improve prostate cancer diagnosis. The unique robot makes it able to detect and target the most aggressive part of the lesions thereby improving the accuracy of MRgBx to help advance diagnostic results and subsequent best possible treatment for the patient.

SIEMENS BREAST CARE SOLUTION

The specialty of the system is definitely its 70-centimeter magnet bore giving the highest comfort to the patient. All other dedicated breast scanners in the market have only a 60 cm diameter. The 70 cm bore is especially important, as the breast coil itself requires space and women are examined resting on their stomach. Normally, women are very nervous before and during the examination so it is even more important to make the examination as comfortable as possible for them. So the large bore also helps to improve the image quality further, as patients feeling comfortable move less.

Installation of Asia's first MR-RT with robotic prostate biopsy device "Soteria", has been made possible with the support of Shri Kirit Patel & family of Dayton, Ohio