

HOSPINEWS

Lilavati Hospital Instals Fastest CT Scanner

This scanner provides complete solution in imaging from head to toe

Mumbai's Lilavati Hospital has recently acquired SOMATOM Definition Flash second generation Dual Source CT Scanner from Siemens, Germany. Lilavati is the first in the western zone to possess this state-of-the-art, sophisticated technology and only second in the whole of India.

The scanner open door to unprecedented levels of patient friendliness with the speed to cover the entire thorax in less than a second thus obviating the need to hold breath especially in cardiac and paediatric imaging. Said Dr Narendra Trivedi, COO, Lilavati Hospital, "Besides, it enables reduction in radiation dose for all scans resulting in dose down to sub-msv for cardiac imaging. At the same time, X-CARE allows protecting individual organs and the radiation sensitive body regions like female breasts, thyroid gland and lens of the eye gonads by accurately and efficiently minimising exposure and thus stands as a healthiest scanner of its kind."

CT Coronary Angiography with Definition flash CT Scanner is a non invasive, safe and accurate diagnostic test to identify/detect the clogging or the blockages in the arteries supplying blood to the heart. If the results are normal on CTCA, then the accuracy is nearly 99 per cent and abnormal results on CTCA like detecting soft, fibro fatty and calcified plaques have a good correlation with invasive catheter angiogram for further planning of



SOMATOM Definition

angioplasties and bypass heart surgeries.

CTCA is also used to follow up patients who have had a bypass surgery to see whether the graft vessels are open or not and to check potency of previously placed coronary stents. In acute and emergency patient care, this CT scanner delivers the complete solution needed to make fast and confident decisions when every second counts. The patients symptoms may range from acute severe chest/abdomen pain; neurological symptoms like headache, seizure, paralytic attack or complex polytrauma. This scanner provides complete solution in imaging from head to toe.

Especially with its distinct features of cerebral perfusion study and angiography of cerebral and carotid arteries (Neuro-DSA), complete assessment of

stroke can be done within seconds and when treated in the golden window period of 3 hours, there is good chance of complete reversal of the damage occurred in the brain. CT pulmonary angiography study detects the presence of clots in the arteries of lungs extremely accurately and thus a very important timely decision making especially in the elderly patients and one who are bed ridden for a long period of time.

With the increase in the prevalence of cancer as another major killer disease, early detection of cancer in various body parts like lungs, liver, bones, kidneys, pancreas, lymph nodes, uterus and ovaries, colon this scanner offers the 3-D diagnostic information.

Its feature of onco imaging comprises early visualisation of cancer and its location and thus offers comprehensive solutions for evaluation staging and follow-up of these patients. Another unique option of Dual Energy Scanning is that it offers all new applications that characterises and visualises the chemical composition of materials and thus can be used in detecting the various kidney stones and crystals in peripheral extremities of gouty patients. ■

EH News Bureau