

*SAFIRE Technique allows a  
CT scanner to emit less radiation*



***Low Dose Radiation  
CT scanner at Saravana Scans***

*“Every time your patients have an X-ray or CT scan, that dose is accumulated in their whole lifetime. The more you can reduce the radiation for each scan, the less accumulation your patients get in their life. Radiation does cellular damage, so the less your patients have in their lifetime, the better off they will be,”*

*Patients who get CT scans often, “would want a low-dose CT scan.”*

*“The goal is to try to get useful information pertinent to patients’ care with the lowest risks,”*

*“With the availability of the SAFIRE CT, it’s often worth it, and doing it with the lowest amount of radiation is our goal.”*

***Dr. K. SARAVANAN, M.D., R.D., (PGIMER)***  
*Managing Director & Chief Radiologist*

# **SARAVANA SCANS**

**810, Mount Road, (Next to G.R. Complex),  
Nandanam, Chennai - 600 035.**

**044 - 24329358 / 59 / 42072226 / 43072226 / 45072226**

**Mob: 9551 99 99 65**

**www.saravanascan.com**

# **Saravana Scans**

***60% lower dose CT scanner is...***



***Peace of Mind***

# New Low Dose SAFIRE CT Technology

60% Less Radiation Per Scan

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**SARAVANA SCANS**



*The ultra low radiation software lets medical professionals obtain the same quality images, but with a reduced dose of radiation exposure to patients.*

***SAFIRE protocol allows a CT scanner to emit less radiation***

*“Our CT scanner have SAFIRE low raditaion protocol, so that your patients can get a full CT scan without compromising image quality. That’s what makes them extremely special,”*

*While exactly how much less radiation a patient gets varies from study to study, few examples are:*

*Patients getting a heart CT scan might be exposed up to 75 percent less radiation.*

*A CT of someone’s abdomen or pelvis could expose them to from 40 to 60% less radiation, and the radiation reduction could be about 40% for those getting a head CT.*

*Generally, most patients don’t ask about the radiation risks from the scans, but some are curious.*

*“Maybe once or twice a year someone has enough knowledge in physics to ask a question like that. A lot of articles talk about the overuse of CT scans and the amount of radiation that accumulates, so more people are aware of it now,”*

*Patients undergoing CT scans at SARAVANA have been receiving upto 60 % less radiation dose since April 2013. SARAVANA SCANS has acquired “state of the art SIEMENS 700 slice CT scan” equipment featuring SAFIRE that uses advanced image reconstruction technique that makes it possible to dramatically REDUCE RADIATION DOSE without compromising image quality. This technology will minimize the radiation risk to all patients, especially children and young adults who are more susceptible to overexposure to radiation. This technology does not sacrifice image quality with the reduced dose.*

**Low radiation is the way to go**  
***New CT scan technology exposes patients to much less radiation***

*Patients undergoing diagnostic procedures at SARAVANA SCANS will be exposed to much less radiation than in the past, thanks to new SIEMENS Definition AS plus 700 slice CT scanner and ultra low dose SAFIRE technique at SARAVANA SCANS, Nandanam.*

*SARAVANA SCANS has used a new low-dose radiation CT scanner by SIEMENS since April 2013. CT is short for computed tomography, which provides high resolution, 3-D images and greater anatomic detail,*



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