

Pune's first 3D Echo Machine installed at Ruby Hall

To provide better accuracy and qualitative evaluation of the heart

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Ruby Hall Clinic' the city's premier hospital as today formally announced the installation of Pune's first 3D Echo Machine.

Cardiac imaging has taken giant strides since the days of M-mode echocardiography. Subsequent advances of 2D echocardiography, Colour flow imaging and continuous and pulsed wave Doppler as also Trans Esophageal Echo (TEE), revolutionized trends in cardiological diagnosis and management.

To a large extent, these modalities have rendered invasive procedures like Cardiac Catheterisation unnecessary especially in congenital heart disease, rheumatic valvular disease and pericardial pathology.

Latest advances in this field include 3D echocardiography, Tissue Doppler, Strain rate quantification and myocardial contrast perfusion studies.

The Philips iE 33 system incorporates all these modalities and is one of the most advanced cardiac ultrasound imaging systems in the world.

3D echo provides better accuracy in qualitative and quantitative evaluation of the heart and is less assumption dependent and more accurate in determining LV ejection fraction, LV volumes and mass than conventional 2D echo.

3D echo has great utility in assessing suitability of patients of heart failure for cardiac resynchronization therapy.

Ruby Hall Clinic under the leadership of Dr. K.B. Grant has been in the forefront of making available the latest medical technology in this part of the country. In yet another pioneering step, it has recently acquired the Philips iE 33 system.

On Sunday, the 30th of September 2007, on the occasion of World Heart Day, this state of the art system was installed in Ruby Hall Clinic.

The iE 33 3D echocardiography system provides amazing image clarity comparable to what a surgeon would find on the operating table. This would certainly go a long way in improving diagnosis and better planning in the surgical or non-invasive methods of treating cardiac patients.

Any questions that 2D echo addresses can be answered more completely and with greater accuracy using live 3D echo.

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