

# HD Medical launches world's first Audio-Visual Cardiac murmur

Mr Arvind Thiagarajan, Chairman and Chief Inventor, HD Medical Services (India) Pvt Limited said that HD fonoDoc was an integrated audio-visual device with murmur detection and printing capabilities. Murmurs are abnormal sounds

from the heart, which can be indicative of heart problems. The sound waves from the heart are converted by this device into digital waveforms for display, analysis and for



obtaining a print out. This device has been granted worldwide patents and regulatory approvals such as FDA in USA and CE certification in Europe. "HD fonoDoc can detect the

murmurs using an integrated murmur detection algorithm called HD MurmurDoc within 10 seconds. Under the directions of Ministry of Health and Family Welfare of Government of India, JIPMER Institute at

Puducherry conducted a detailed evaluation of this device and certified its sensitivity as 93% and specificity as 95%, based on HD Echocardiography as the gold standard", he added.