

CCG makes Non-invasive heart blood flow mapping and Heart Disease detection possible

DETECT HEART'S FLOW WITHOUT ANGIOGRAPHY

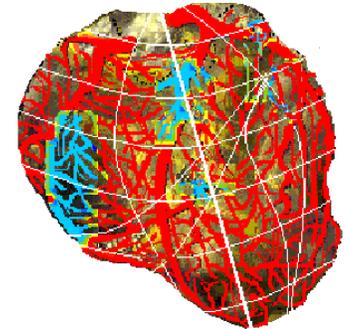
Ludhiana (India): Cardiologists depend on images of the heart to diagnose heart ailments. Now a "3D map" for early detection of coronary artery disease is possible with Cardio-vascular Cartography (CCG) utilizing the technology used from the satellites to study the underground flow of oil and water. It is a non-invasive procedure using electrodes and a highly sensitive transducer while the patient is lying down. A high-speed computer analyses the recordings and gives the patient's complete cardiac and circulatory status in 10 minutes. Such data was earlier not possible through non-invasive methods.

The record obtained includes details such as decreased blood flow to different parts of the heart, amount of blood pumped for every heart beat, relative oxygen demand, chance of blood clotting in the heart's blood vessels, chances of sudden cardiac death by arrhythmias and the state of the heart pump.

The 3D maps of the heart have an accuracy of 82.16 per cent in detecting heart disease. Angiography measures the quantity of blockages in the heart but does not give other causes for the reduced blood flow. Blockages in the arteries contribute to only 70 to 80 per cent of the reasons for the reduced blood flow. All patients having blockages in arteries do not necessarily have reduced blood flow or need bypass surgery as is commonly thought.

At Sibia Medical Centre Cardio-vascular Cartography is helping non-invasive and painless mapping of the heart to detect coronary heart disease early. Many of these patients can be treated without resorting to angioplasty or bypass surgery with Artery Clearance Therapy and External Counter Pulsation.

Heart Tips: Decreased blood flow to the heart muscle and not blockages cause anginal chest pain i.e. ischaemic and not anatomical blocks are important.



EARLY DETECTION SAVES LIFE

Who is CCG for:

Screening after 30 years age
Heart disease in family
Diabetes
High blood pressure
Overweight/increased cholesterol
Smokers
Sedentary and Stressful lifestyle
Assess if aspirin, yoga OR
meditation CAN HELP.

Mass screening for institutions

Accuracy: About 80%.

Cost : Rs.5000/-

Angiography is to plan Angioplasty or Bypass surgery and not to decide if they are needed. For patients not opting for Angiography or Bypass Angiography is asking the route to Delhi wanting to go there.

Non-surgical decompression with Computerized Spinal Table for back pain patients is available at:

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