

23. **Pioneered Intra Coronary Hydrolysis** was performed by Dr. P Lal. It involves the use of hydro dynamic thrombectomy to take the clot out.

### **PUBLICATIONS**

Paper Presented and published (**1<sup>st</sup> Scientific Papers of the Country**)

**P Lal, PT Upasani, R Rathi, SM Sachdeva, S Kanwar** : Percutaneous Treatment of Arterial Thrombosis by the Use of Hydrodynamic Thrombectomy (abstract) Indian Heart Journal 53:630, 2001: Echocardiography – Guided Endomyocardial Biopsy (abstract). Indian Heart Journal 47:609, 1995.

## **HEART HOLE CLOSURE IN A HEART ATTACK PATIENT (SURGICALLY CARRIES EXTREMELY HIGH MORTALITY) FIRST TIME IN INDIA HINDUSTAN TIMES, FEBRUARY 3, 2001**

# **Doctors close hole in the heart without surgery**

**HT Correspondent**  
Noida, February 2

A TEAM of cardiologists of a private hospital headed by Dr P. Lal claimed to have closed a big heart hole without surgery. It also opened a totally blocked artery of the heart, which had resulted from heart attack.

Head of the team Dr Lal said this kind of experience was the first of its kind in the medical history. He said Mrs Pushpa Devi Batra, a 62-year-old lady, from Alwar was suffering from severe heart attack and was brought to Metro Heart Institute here. She was suffering from hypertension, which caused renal dysfunction leading to further deterioration.

Echocardiography and coronary angiography revealed a large hole of 2 cm in her heart. It also indicated the presence of a totally occluded right coronary artery with

blocks in the other arteries, he said.

Due to Pushpa Devi's critical condition cardiac surgeon did not admit her. The patient's family members decided to take her home because of her low chances of survival and high treatment expenses, he added.

At this stage the hospital management intervened and gave her total concession other than the material cost. She was then taken for a non-surgical closure of the heart hole on January 24. A special device was used during this treatment, he said.

Following the closure of the hole, her blood pressure improved immediately while she was still in the operation theatre. At the same time her totally blocked coronary artery was opened, Dr Lal said.

Dr Lal, a renowned cardiologist, has introduced a large number of techniques to open up blocked arteries by slow rotational angioplasty, diamond drilling and atherectomy.