

1st Time in the India Non Surgical Closure of PDA by Russian Technique

1st Time in the India Non Surgical Closure of PDA by Russian Technique was performed by Dr. P Lal in July, 1992 at Apollo Hospital, Chennai on a patient from Hyderabad. It is an affective and cheap method to close the abnormal blood vessels (PDA-Congenital Heart Disease).

PUBLICATIONS

Lal et al. Non-Rashkind techniques for Transcatheter Closure of Patent Ductus Arteriosus. Indian Heart Journal; 1992: 44: 174(A).

P Lal, PT Upasani, P Jain : PDA Closure Using Modified Russian Technique (abstract) Indian Heart Journal 48:520, 1996

LOW-COST NON SURGICAL PDA CLOSURE
(MODIFIED RUSSIAN)
FIRST TIME IN INDIA
INDIAN EXPRESS,
MADRAS EDITION,
JULY, 1992.

✓ Low-cost method to close heart hole

EXPRESS NEWS SERVICE

MADRAS - An innovative and relatively cheap Russian technique was tried for the first time in the country at the Apollo Hospital a couple of days ago, to close a hole in the heart.

Done by cardiologist Parthoan Lal, who has pioneered quite a few techniques of interventional cardiology at this hospital, the procedure used a bottle shaped plug made of polyurethane, to close a hole in the heart of 28-year-old patient Mukhtar Begum from Andhra Pradesh.

"She was terrified of surgery and had been suffering for years from disabling palpitations and shortness of breath caused by this condition", the cardiologist said. In this condition a child is born with unnecessary connection between the great vessels of the heart - the aorta and the pulmonary artery, giving rise to mixture of pure and impure blood

like in any other hole of the heart.

Failure to treat this defect can result in life threatening complications. The only option left was cardiac surgery or other forms of more expensive non-surgical techniques like an umbrella costing Rs. 65,000 which is inserted through the catheters, or Ivalon plug which would have cost her Rs. 30,000.

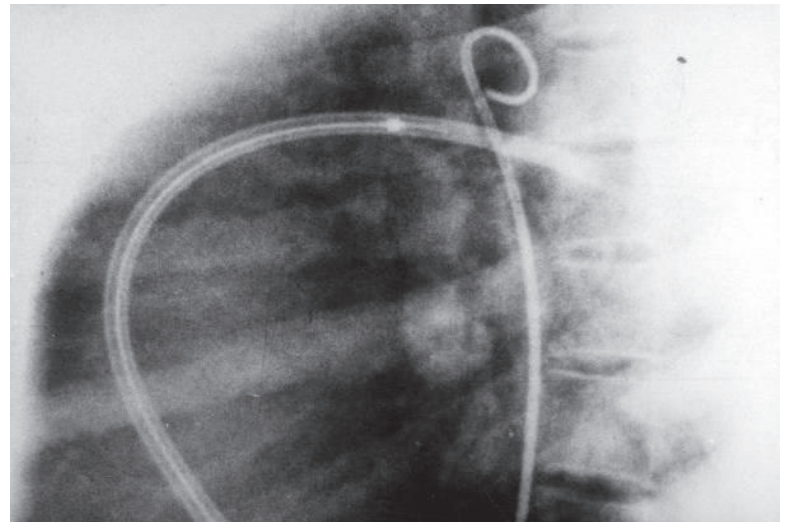
The cardiologist chose to use a new Russian technique. This procedure involved insertion and fitting of a bottle shaped plug made of a polyurethane substance, at the point of defect, with the help of a special catheters. The procedure lasting 30 minutes was done under local anaesthesia leaving no ugly scar. The patient was discharged on the

second day.
This procedure costs around Rs. 10,000.

The advantages of this technique are that it is the cheapest known method for closing this kind a hole in the heart. It avoids the risks associated with surgery, and is relatively safe.

The technique is suitable for all age groups. At present this plug has to be imported but it can be easily fabricated in the country, the cardiologist said, adding that he is already on the job.

Dr. Lal proposes to use this technique on a patient with a similar problem at the Government General Hospital next week.



Still Image of the Inoue Balloon from the procedure

Media News