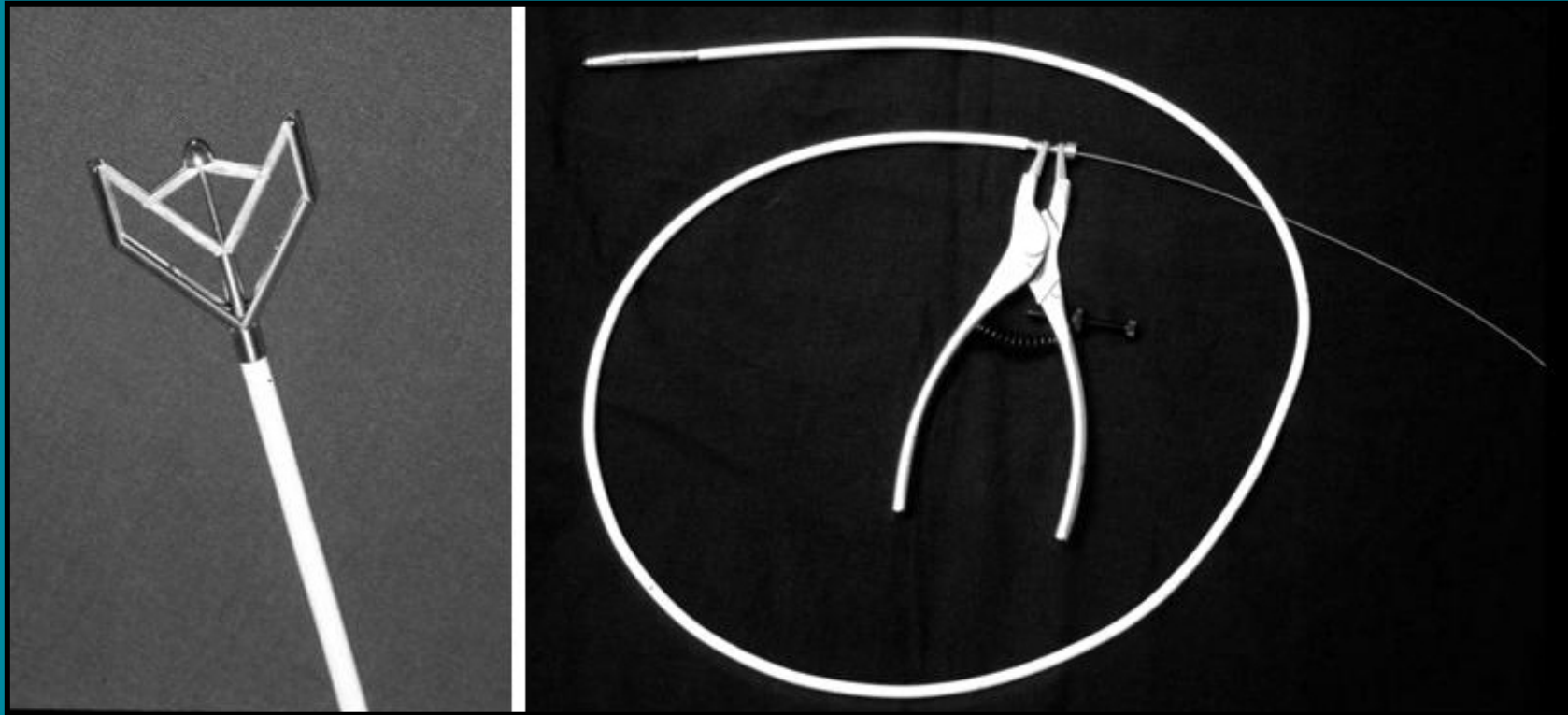


## Section 26

### The percutaneous mitral commissurotome

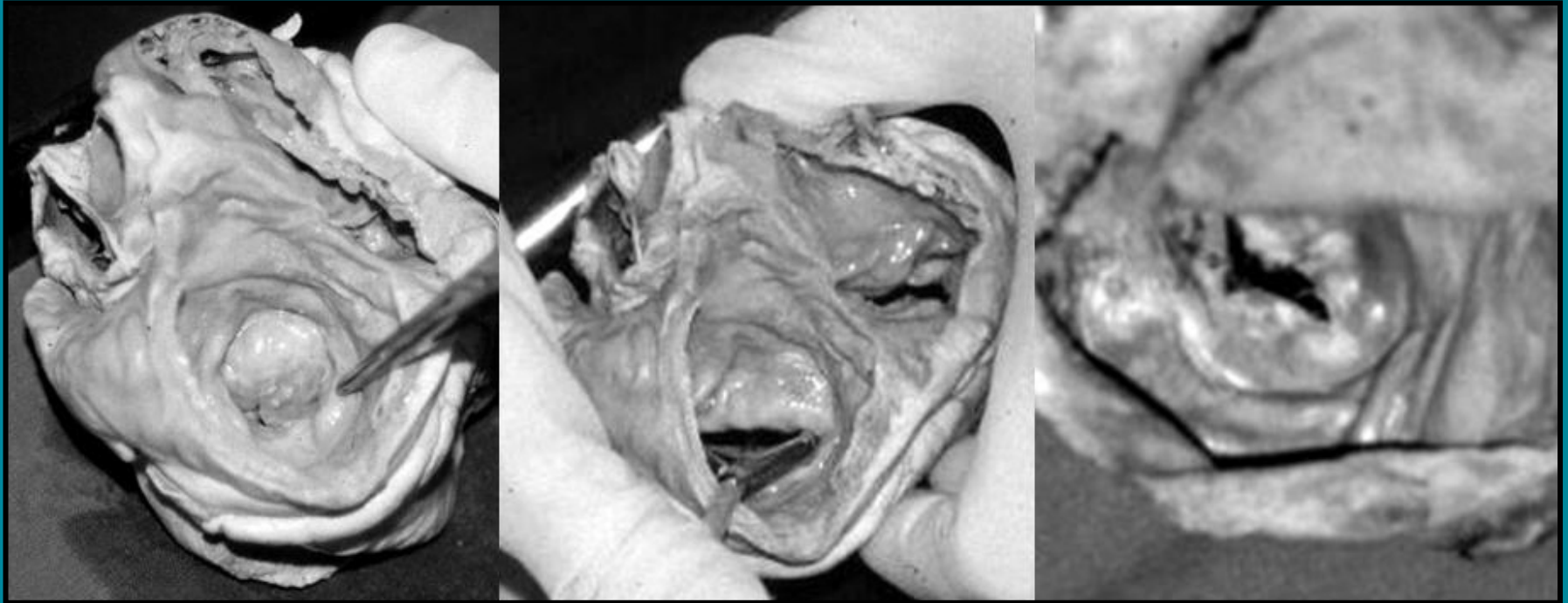
Alain Cribier

## The percutaneous mitral commissurotome



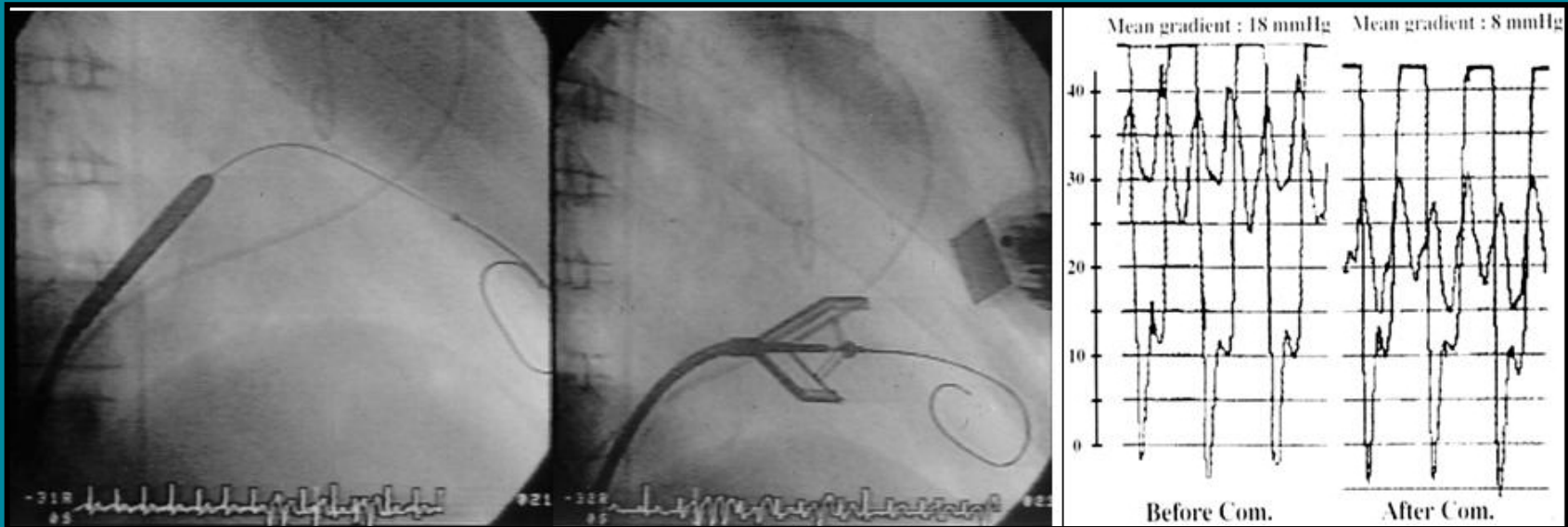
The first version of the commissurotome, used in the first case

## The percutaneous mitral commissurotome



Postmortem findings on a specimen of particularly severe mitral stenosis

## The percutaneous mitral commissurotome



The first clinical case performed in Hyderabad, India, on 10 January 1996

## The percutaneous mitral commissurotome

**Indian Express** INDIA'S ONLY NATIONAL NEWSPAPER

FROM AHMEDABAD BANGALORE BARODA BOMBAY CHANDIGARH COIMBATORE DELHI HYDERABAD KOCHI KOZHIKODE MADRAS MADURAI NAGPUR PUNE THIRUVANANTHAPURAM VIJAYAWADA VIZIANAGARAM

● HYDERABAD THURSDAY JANUARY 11 1996

**EXPRESS NEWS SERVICE**

HYDERABAD, Jan 10: A 3-centimetre special metal piece 'crafted' by Indian and French doctors after two years of research is likely to make

**New device to open heart valve**



The new device to open heart valve

mitral valve dilatation both simpler and cheaper.

Adding a new chapter to interventional cardiology, Dr P C Rath and Prof Alain Cribier have, for the first time in the world, used the device to open the mitral valve of a patient here on Tuesday.

Presenting the outcome of the operation to newsmen here on Tuesday, Dr Rath of Apollo Hospital and Prof Cribier of University of Rouen, France, said that the cost of mitral valve dilatation is likely to come down by a third from Rs 35,000 once commercial production the new device called the Commissurotome starts. This is because the metal tip, made of special steel, can be reused after proper sterilisation.

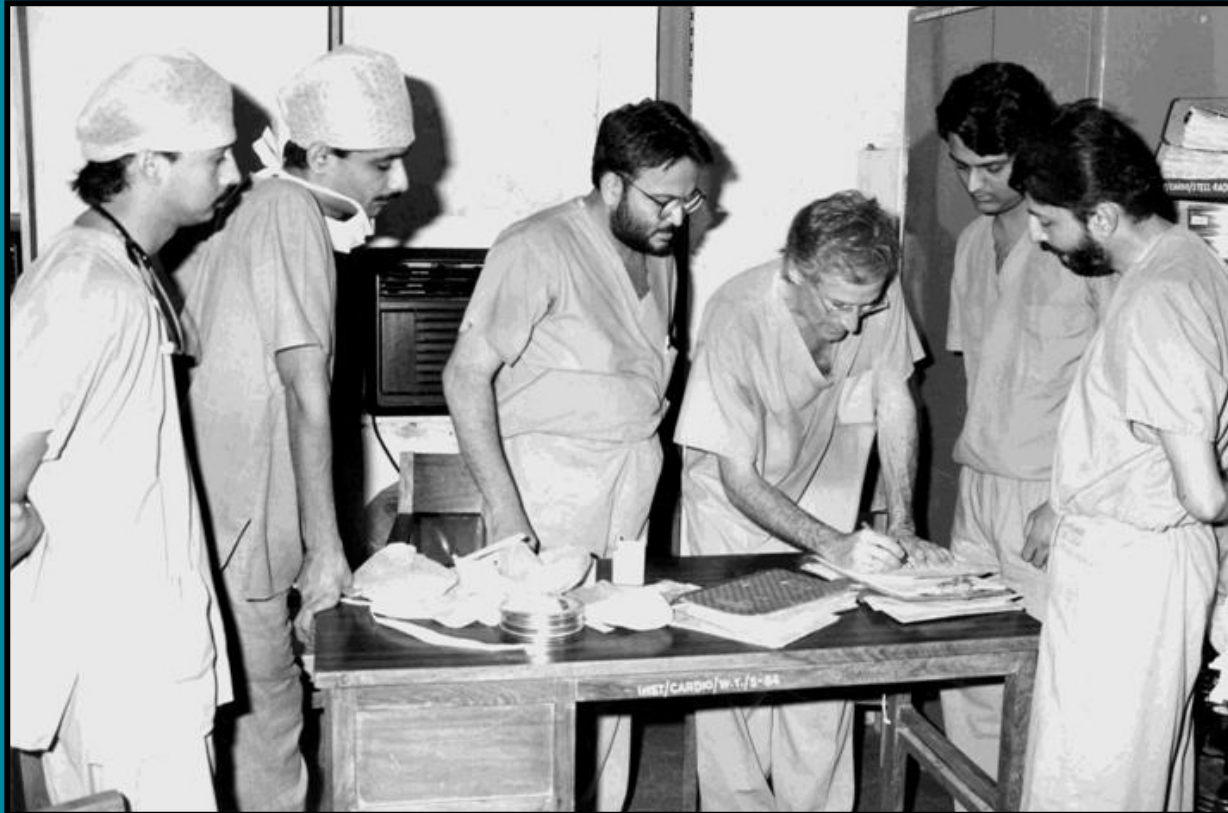
At present, interventional cardiologists use a balloon to dilate the valve. The balloon is not reusable though some centres are trying to do so without remarkable success because the properties and characteristics of the plastic change during sterilisation.

The new procedure is a mix of the old method of surgical intervention and the balloon technique that was developed subsequently as a simpler alternative for valve dilation in patients suffering from Mitral Valve Disease. This disease is widely prevalent in Third World countries where children living

(Turn to Page 3)

Announcement of the first successful procedure in the Indian press

## The percutaneous mitral commissurotome



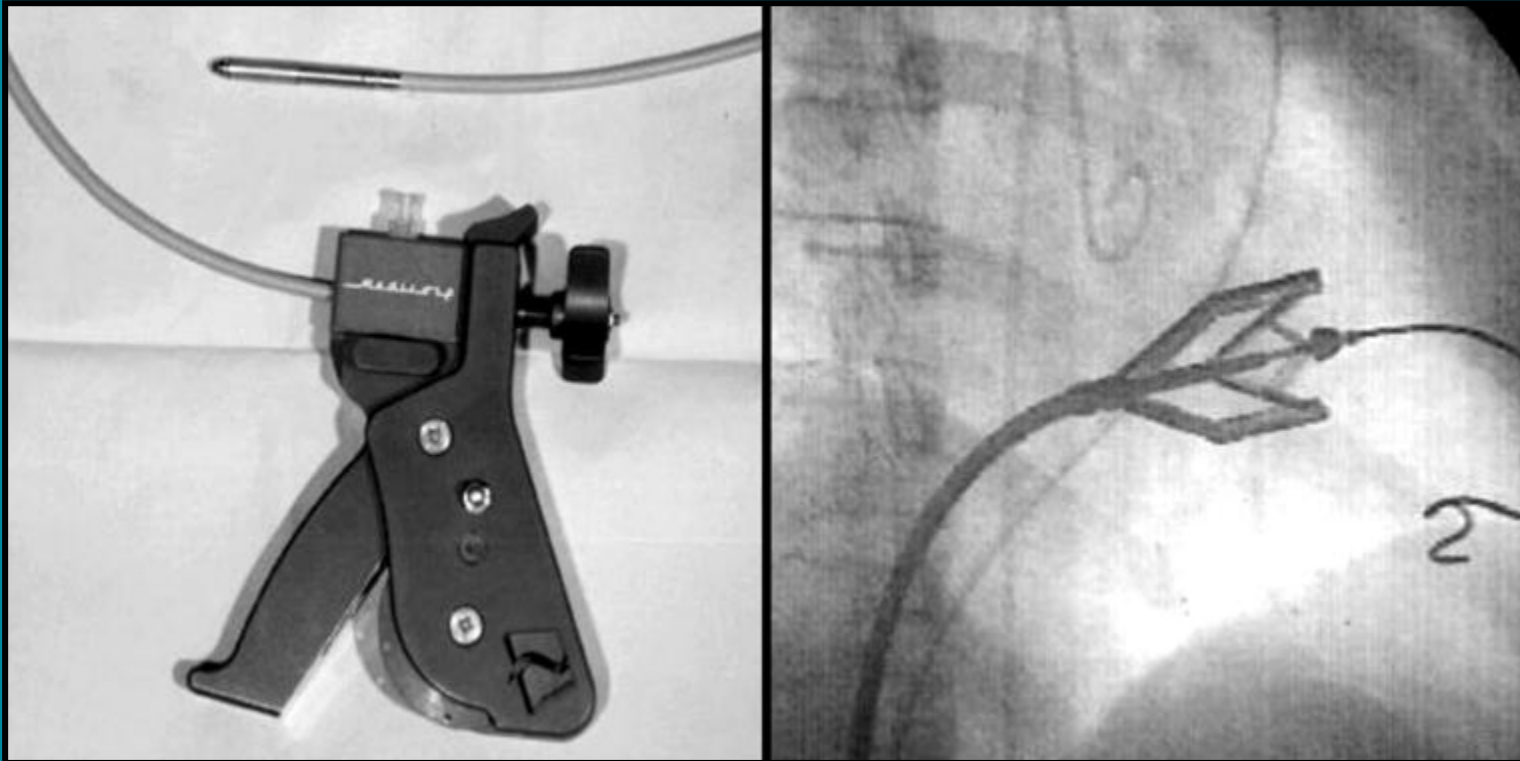
A number of teaching programmes on general interventional cardiology were undertaken all over India

## The percutaneous mitral commissurotome



Active French members of the Indo-French Foundation during the 3rd Cardiology Conference in Hyderabad in November 2000

## The percutaneous mitral commissurotome



The last version of the commissurotome showing the distal and proximal ends of the catheter, connected to the activating pliers. The opening phase during a procedure