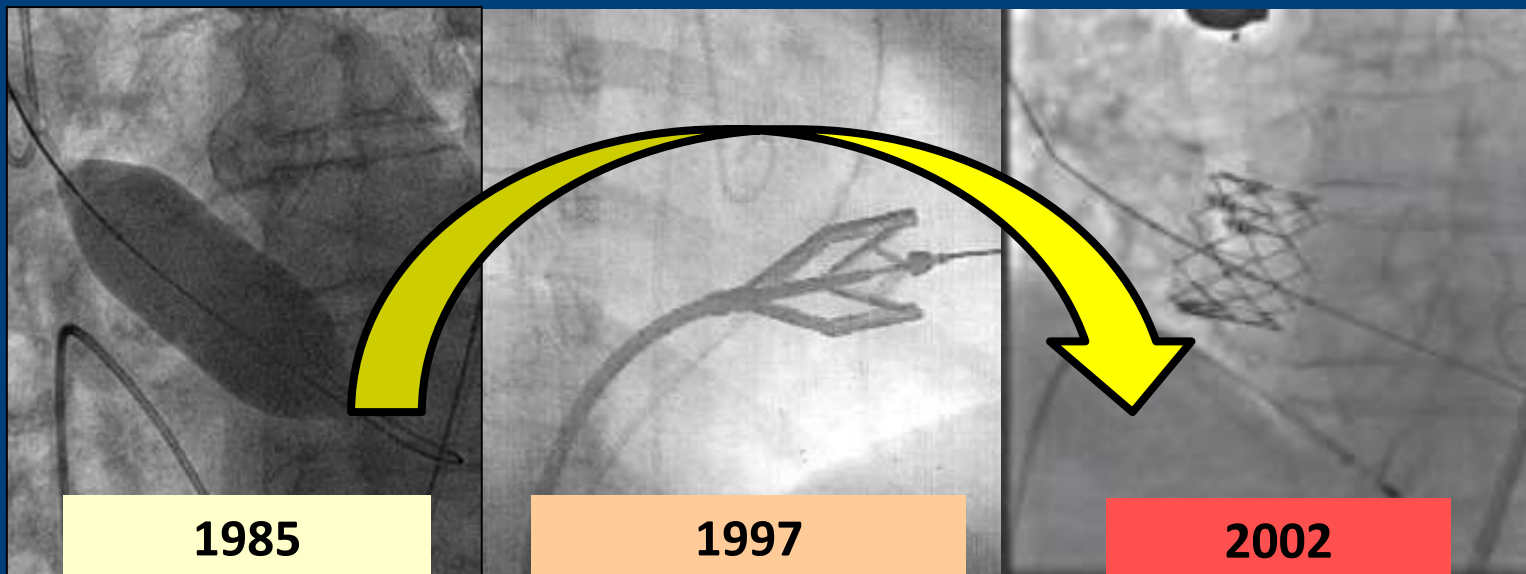


Uspešna zgodba – TAVI: moja osebna izkušnja
Enthusiastic, successful story of TAVI: my personal view

Hélène Eltchaninoff
Rouen University Hospital



Rouen: since 1985, development of innovative technologies with worldwide expansion



1985
Balloon Aortic
Valvuloplasty

F.I.M. Lancet, 1986

1997
Mitral
Commissurotome

F.I.M. Circulation, 1997

2002
Transcatheter
Aortic Valve

F.I.M. Circulation, 2002



Medical training



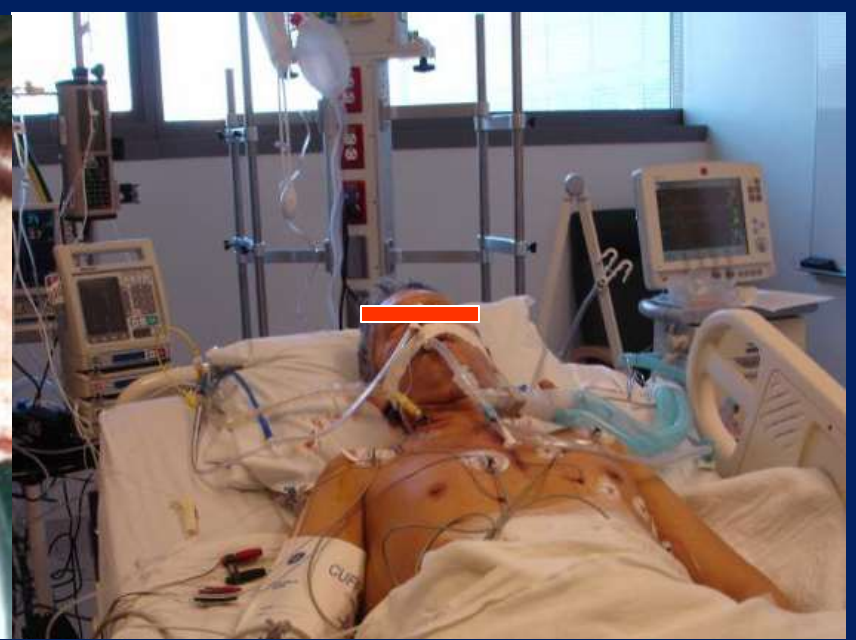
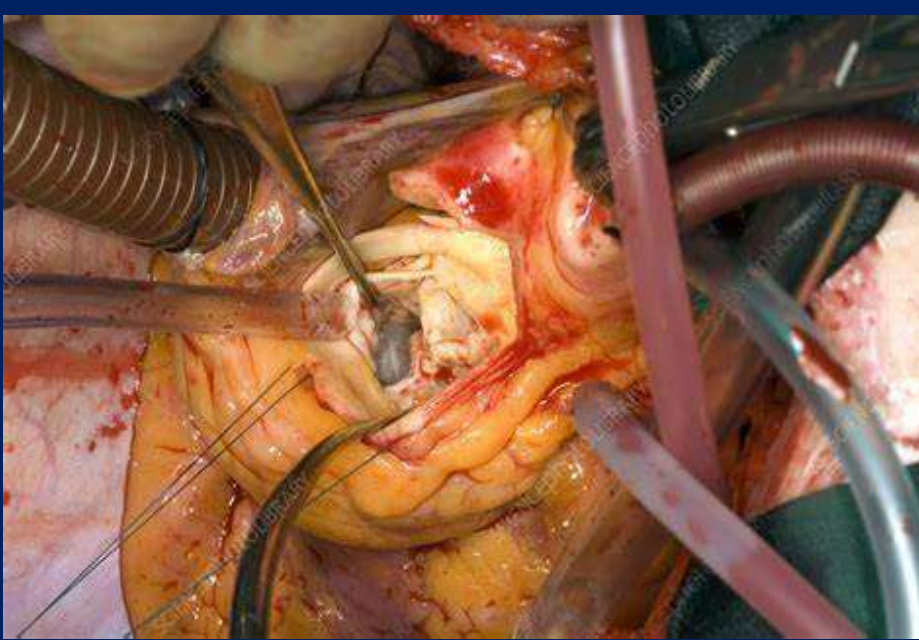
PARIS. — Hôpital Broussais. - La Charité.

www.delcampe.net

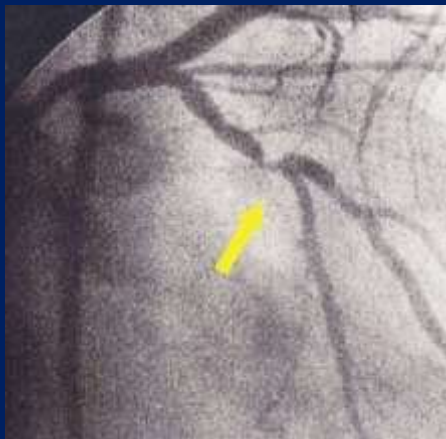
***Paris, Broussais Hospital,
same place as Alain Cribier***

***Famous surgical team
Dubost, Carpentier***





***Famous Surgical and Cardiology Departments
Early days of coronary angioplasty...***





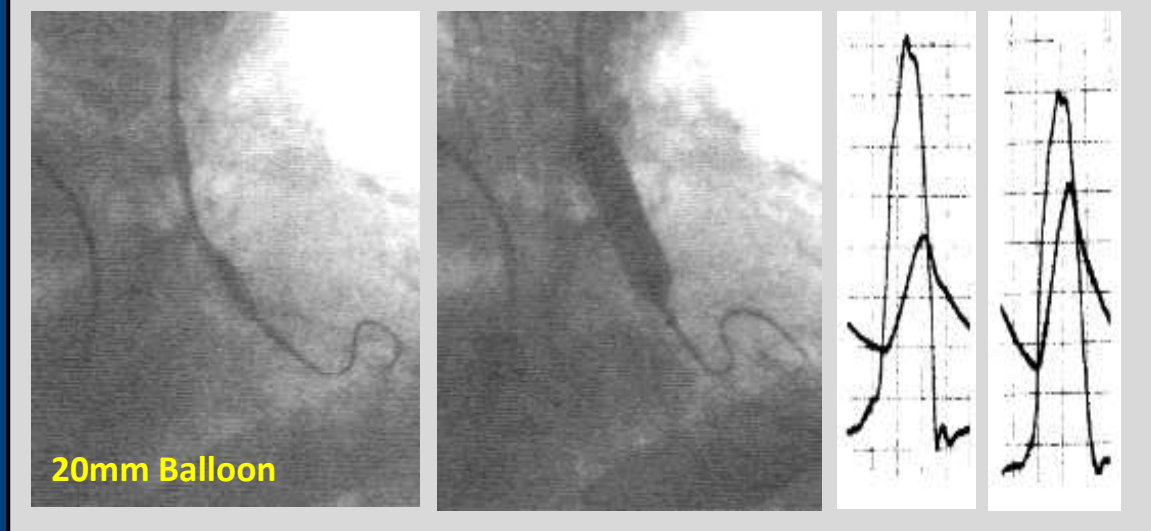
***Serban Mihaileanu
Cardiologist from Romania***

***Advising me: « You should choose Rouen...
In that place, there is a young cardiologist with
innovative « crazy » ideas... »***

September 1985

The « crazy idea » Sept 1985

FIM Balloon Aortic Valvuloplasty



PERCUTANEOUS TRANSLUMINAL VALVULOPLASTY OF ACQUIRED AORTIC STENOSIS IN ELDERLY PATIENTS: AN ALTERNATIVE TO VALVE REPLACEMENT?

ALAIN CRIBIER
NADIR SAUDI
JACQUES BERLAND

THIERRY SAVIN
PAULO ROCHA
BRICE LETAC

THE LANCET, JANUARY 11, 1986

Hôpital Charles Nicolle - Rouen



Pr Brice LETAC



1986-1989: Residency in Rouen



Treating famous patients from all over the world

Participating to international workshops

Learning cath techniques from the Maestro !

And applying manual compression during BAV.....14F

**End 80's: restenosis after balloon
valvuloplasty !**

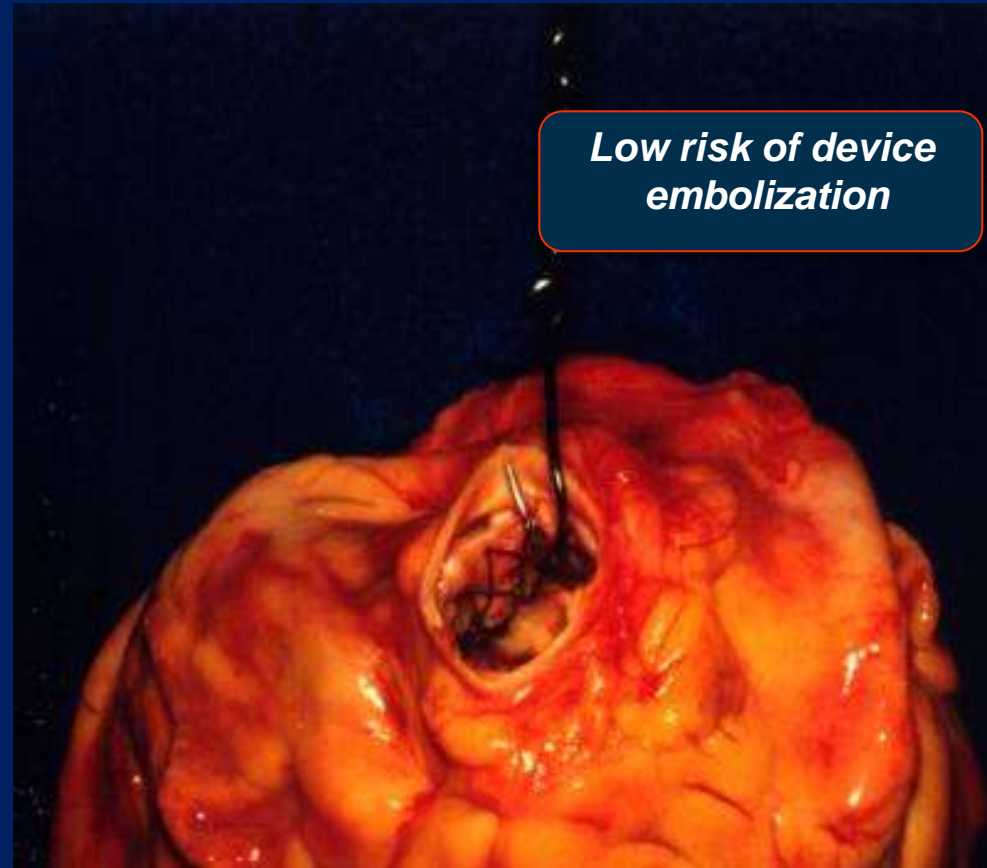
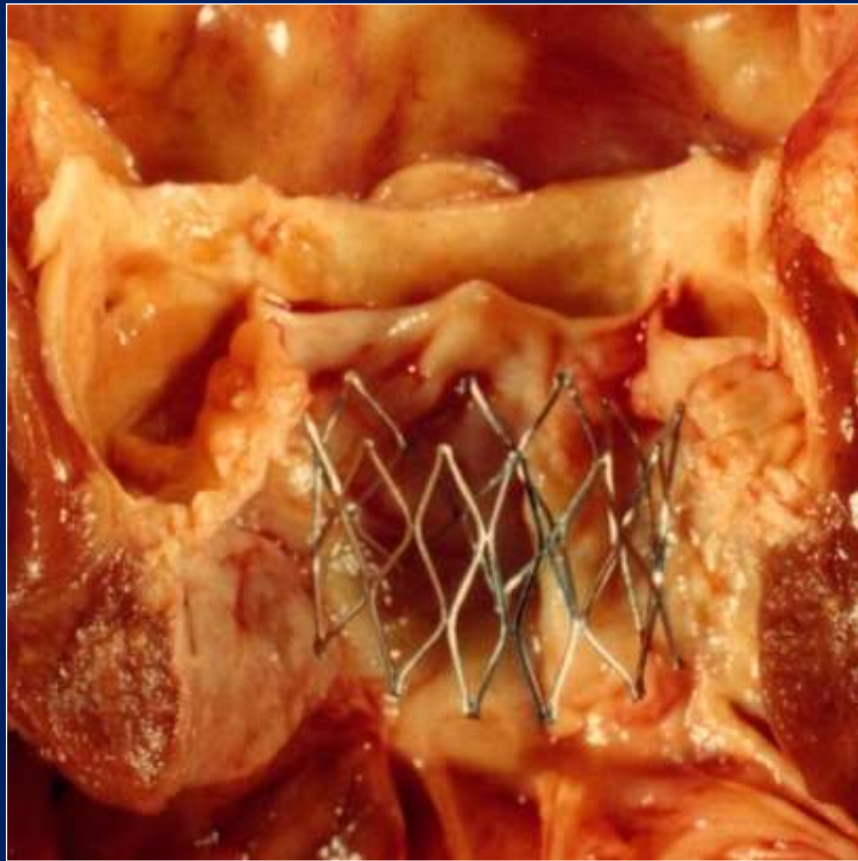
Alain Cribier: A TRANSCATHETER VALVE ?

...How can it be possible ?...

Back from the Cleveland Clinic to Rouen

Autopsy study with Alain Cribier and René Koning

Early 90's



Alain Cribier looking for a company for years

IMPOSSIBLE !

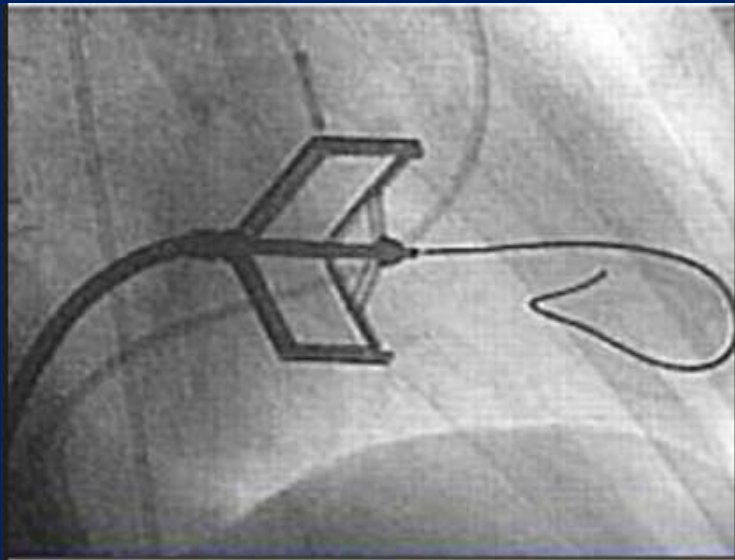
DANGEROUS !

*Heavily calcified
valves !*

*Surrounding
structures !*

The most stupid idea!

**And inventing “in the meantime”
percutaneous mitral commissurotome for
mitral stenosis, another crazy idea...**



*Learning and proctoring
this technique in various
places...*



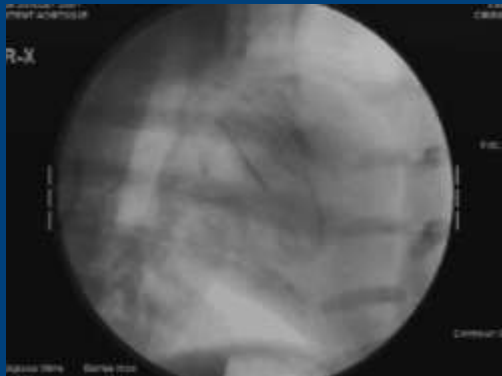
Here, in Pakistan

Finally in 1999: the PROTOTYPE!

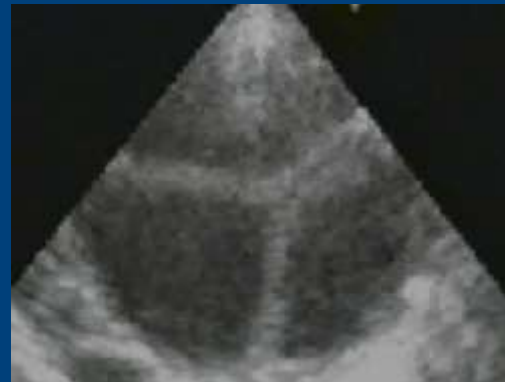
Preclinical in-vivo testing in Paris and in Lyon (chronic) using sheep model



In-Ao THV implantation



5-Mos echo and anatomic / histologic findings



April 2002, Rouen, the F.I.M. – TAVI

57-y/o man, cardiogenic shock

With all current contra-indications of TAVI!...



Bicuspid AS



LV and floating thrombus

Alain Cribier to Martin Leon

Cc: Rabinovich, Rowe

April 12, 2002

The F.I.M. TAVI

Martin Leon to Alain Cribier

April 12, 2002

Dear Marty, I have a fascinating case that I would like to discuss with you!

57 y/o

EF 10%

Cardiogenic shock

Intra-LV thrombolysis

I am ready

What do you think?

Successful TAVI after cardiac arrest

Blocked femoral arteries

We can make it transeptal

Externalization of guide wire

Highest risk !..

You have my complete support to move ahead with the first PVT clinical placement in... desperately...

High likelihood of failure but... it just might work and save his life!

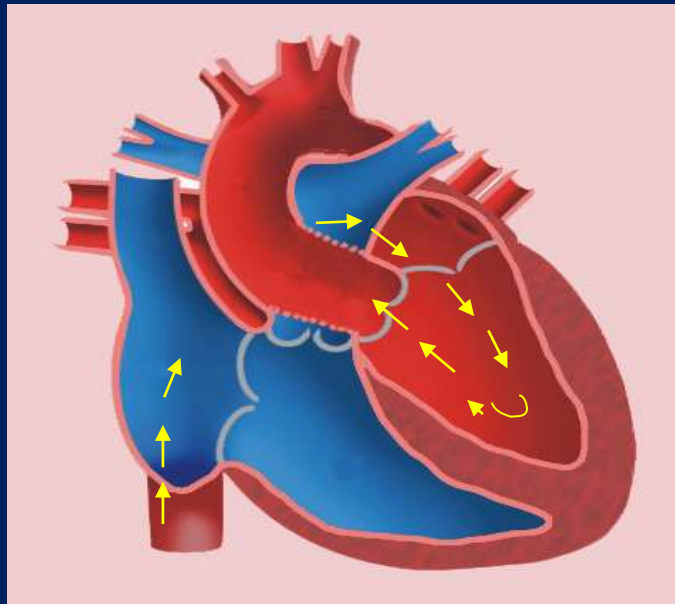
You are the best operator in the world!



April 16th, 2002
THE DAY



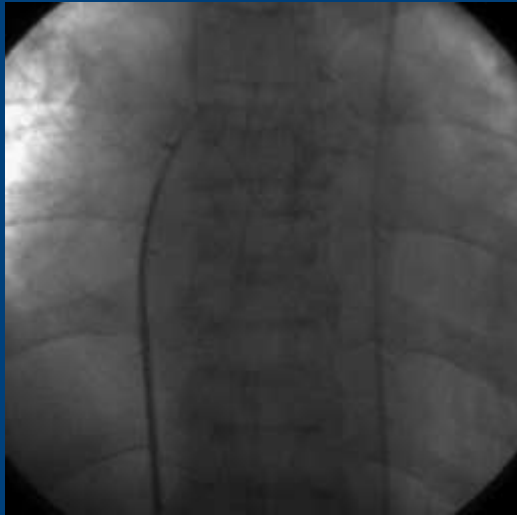
Local anesthesia
No TEE
Pure percutaneous approach



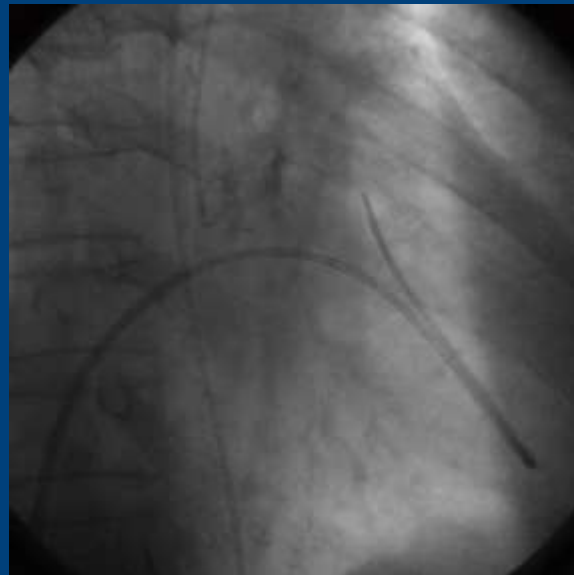


FIM TAVI
20
YEARS

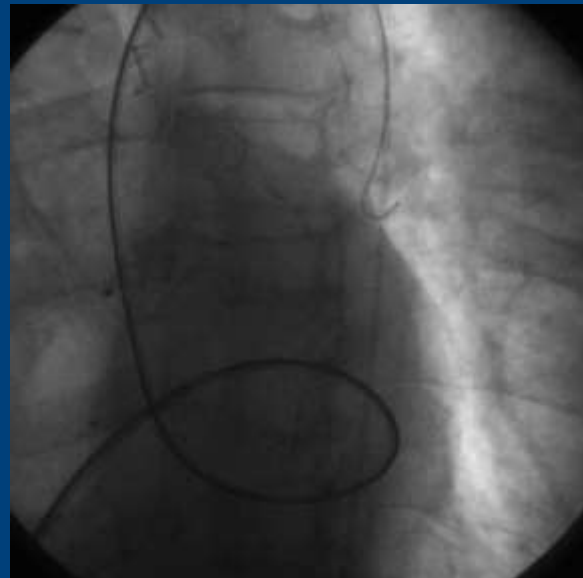
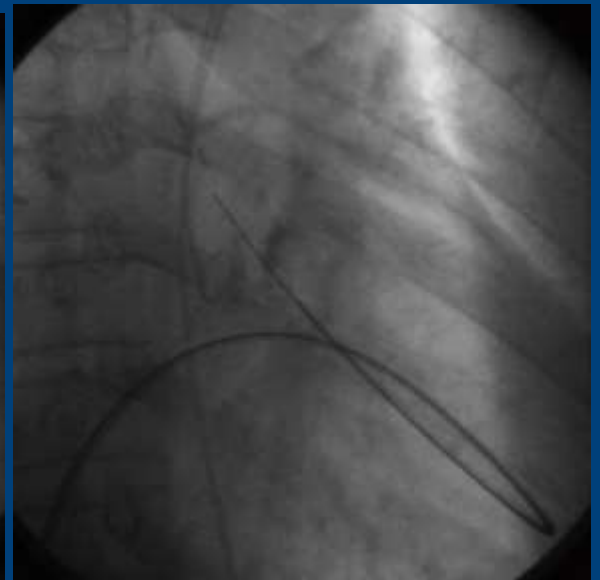
First-In-Man TAVI



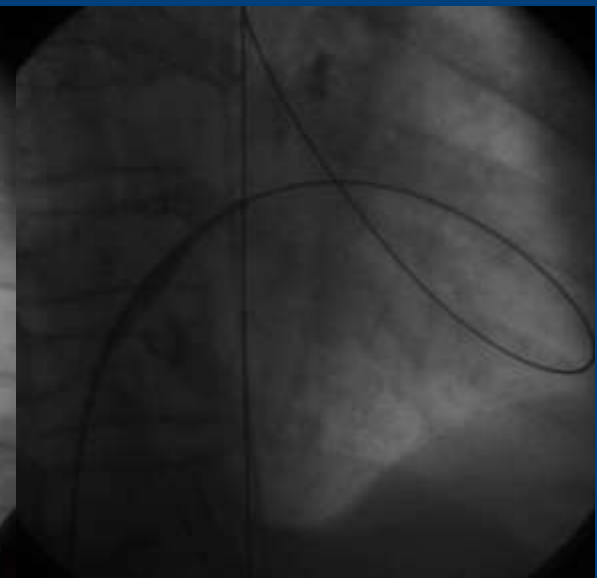
Transseptal puncture



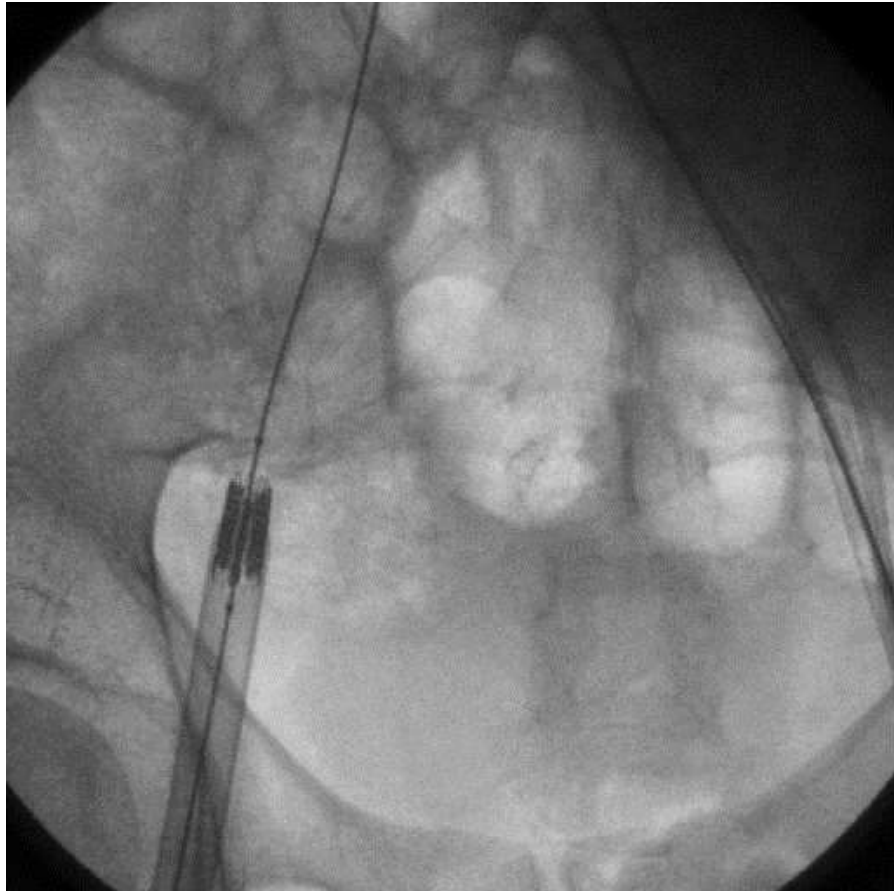
Crossing the aortic valve



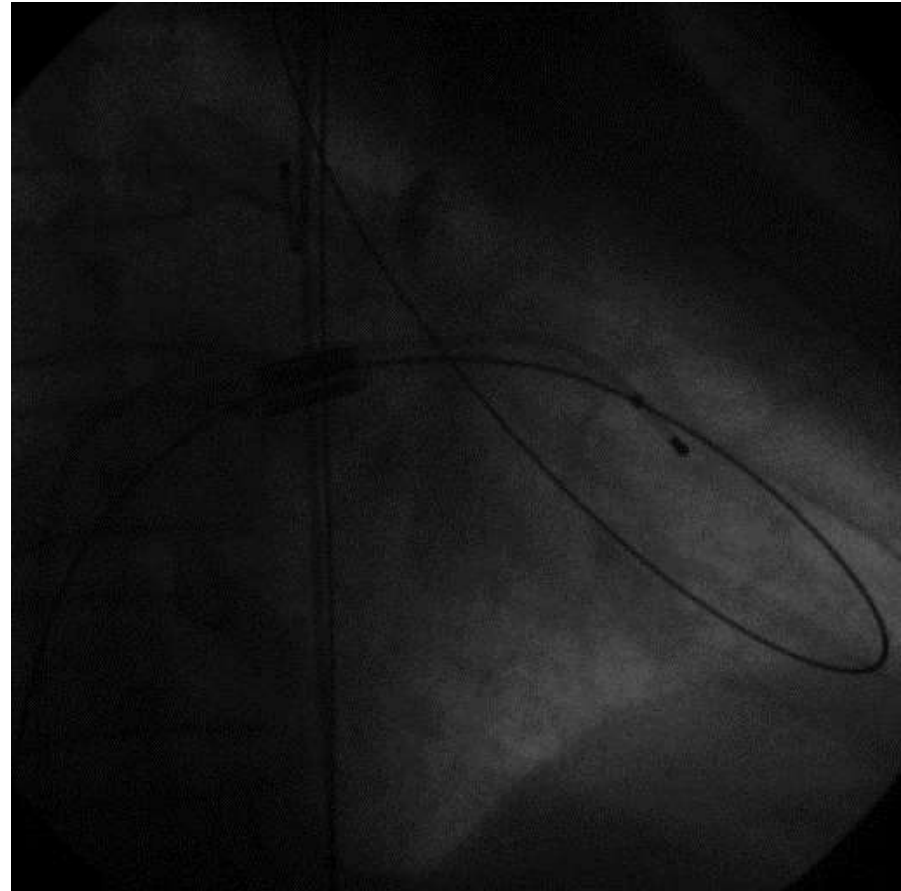
Snaring the wire



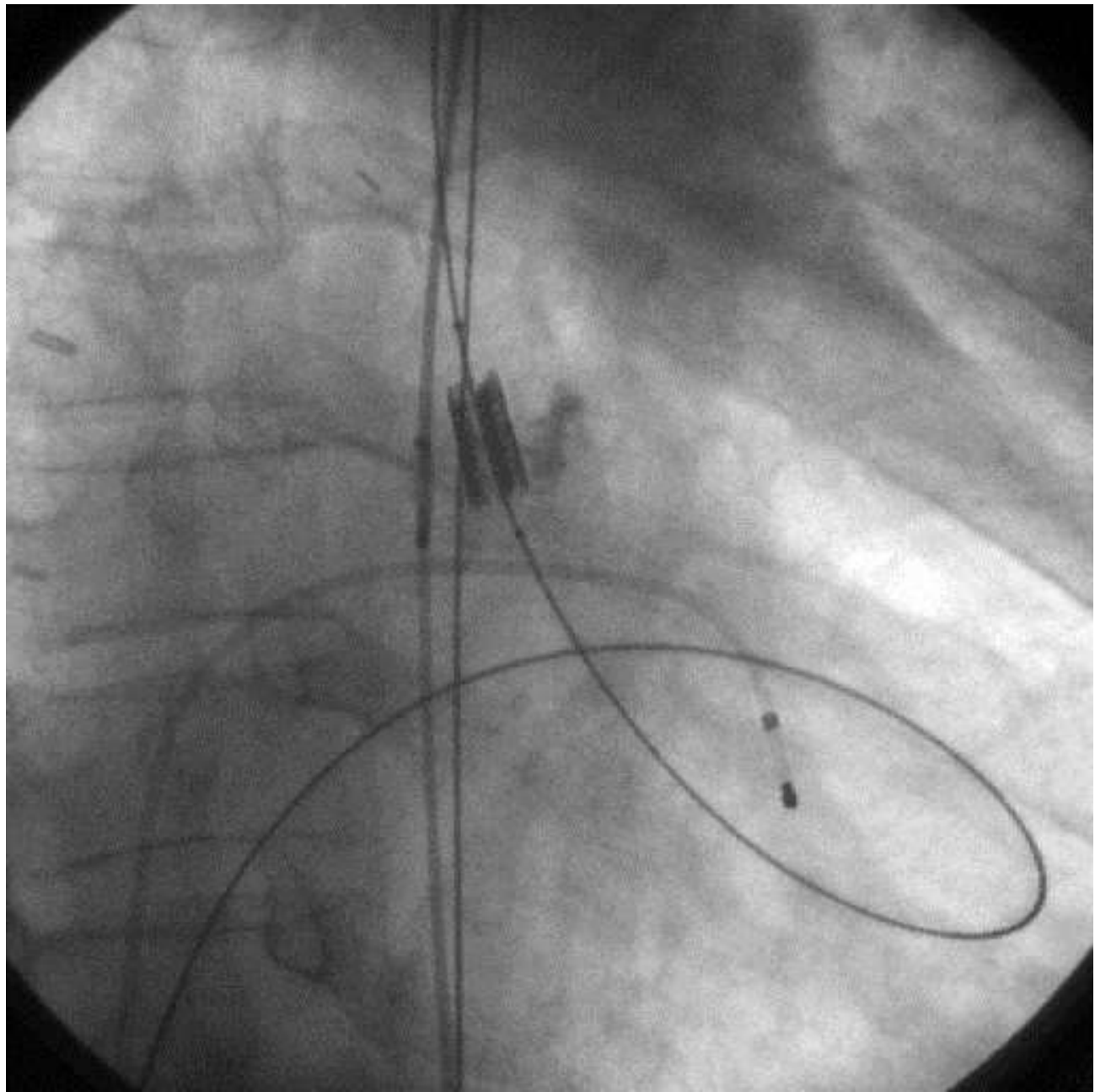
Septum dilatation (8mm)



COOK 24F in Femoral vein

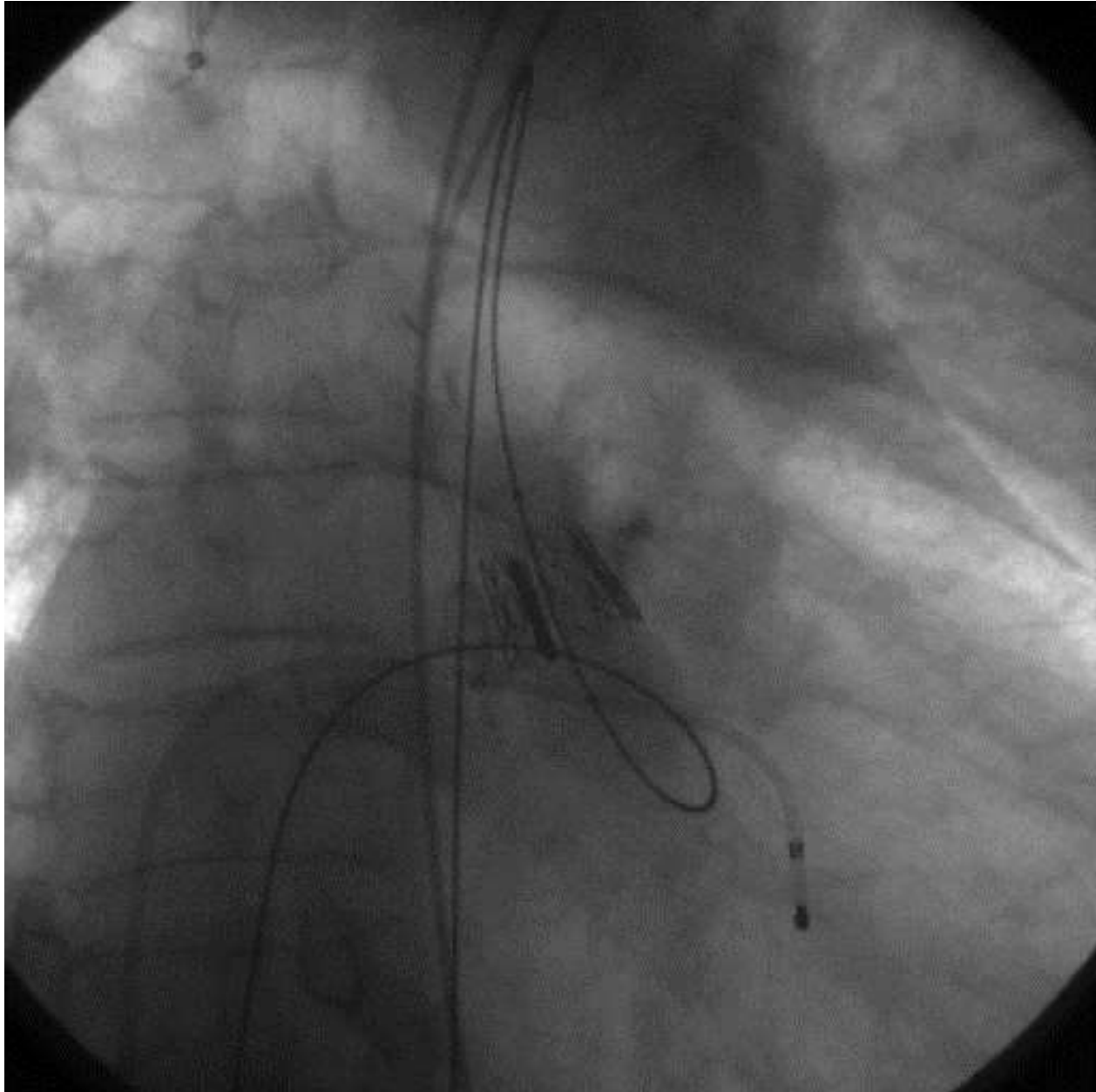


Crossing the septum

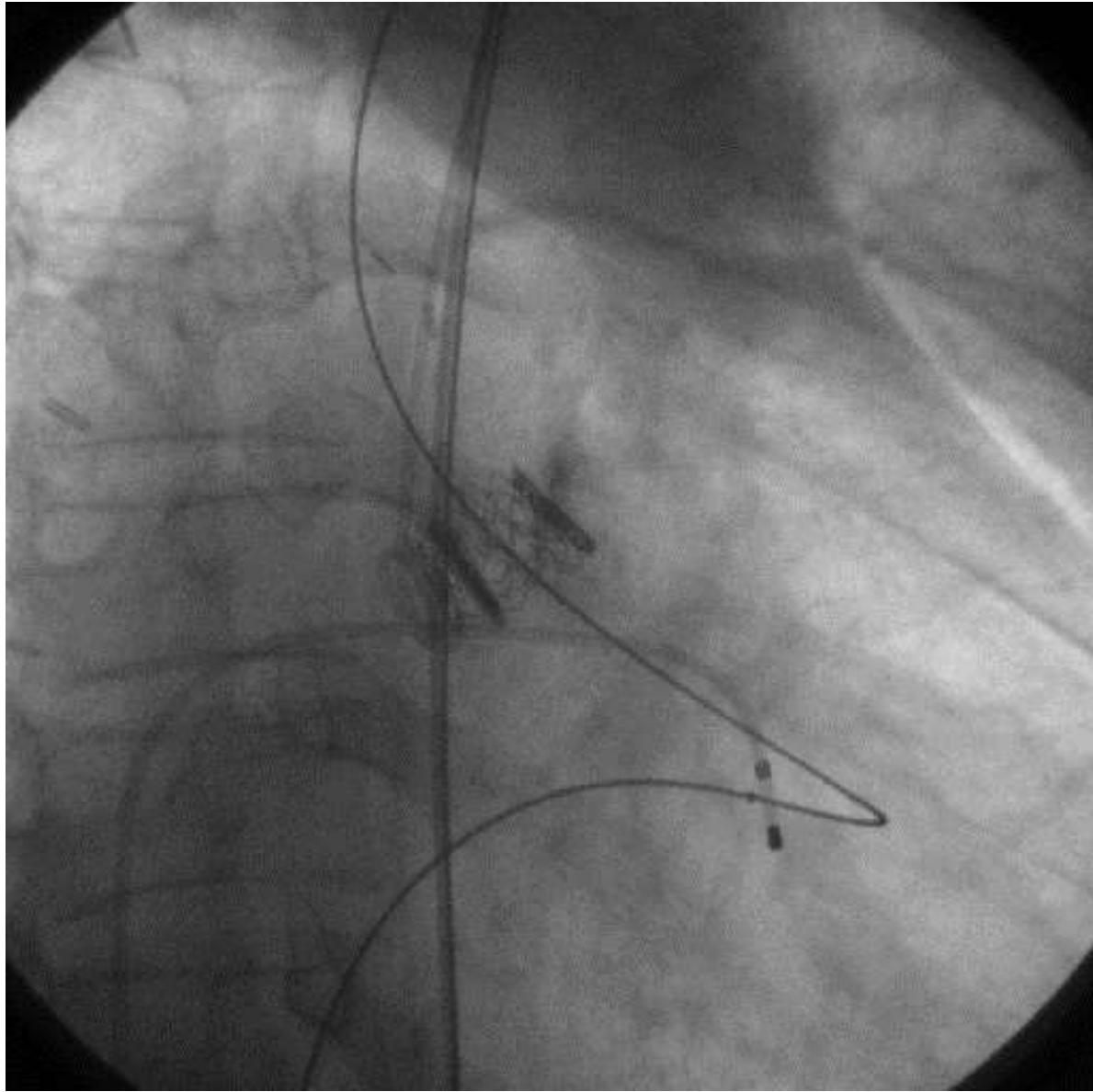


Valve positioning





Valve deployment



After balloon deflation....



Supra-aortic angiography





D-8



From 2002: TAVI procedures in Rouen...



and proctoring abroad....



**Novossibirsk
Russia**



Implanting Corevalve with Jean-Claude LABORDE



TAVI training/workshops in Rouen
All the french centers &
> 100 from Europe and out of EU countries



The Toulouse Team

And from 2015, developing research on Aortic Stenosis: *from its mechanisms to innovation*



STOP-AS research program : Search Treatment and Improve Outcome of Patients with Aortic Stenosis

6.6 Millions euros funding



Research Team

Research program on aortic stenosis STOP-AS : in practice... so far

20 fundamental projects

6 clinical studies

Biollections (DNA, RNA, plasma and serum)

1 Registry

1 First in Man (Valvosoft therapy-Cardiawave)

Annual awareness day « Souffle au Cœur »



41 publications

2 patents





FIM TAVI
20
YEARS

