

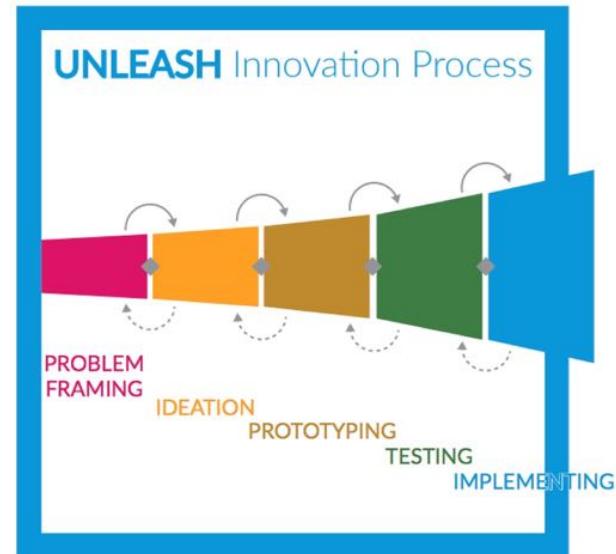
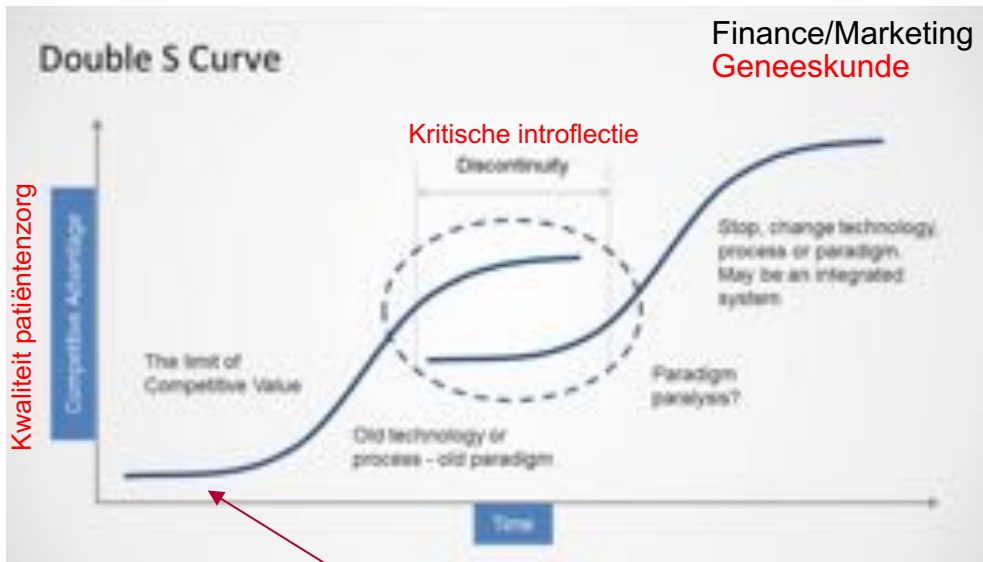
Technische innovaties in het cathlab



Dr. Frederic De Roeck
Interventiecardioloog

Belang van innovatie (in **cardiologie**)

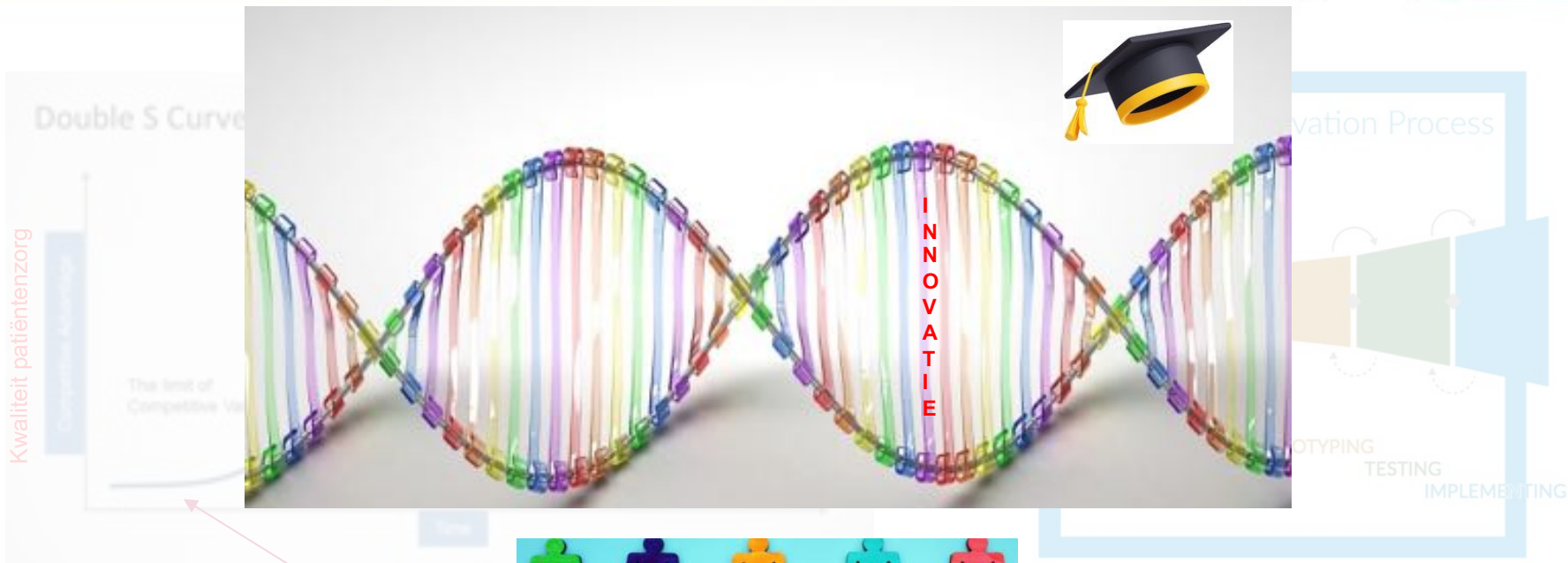
"Innovation is progress in the face of tradition."



Onvervulde behoefte(s)... als katalysator voor verandering

Belang van innovatie (in **cardiologie**)

"Innovation is progress in the face of tradition."

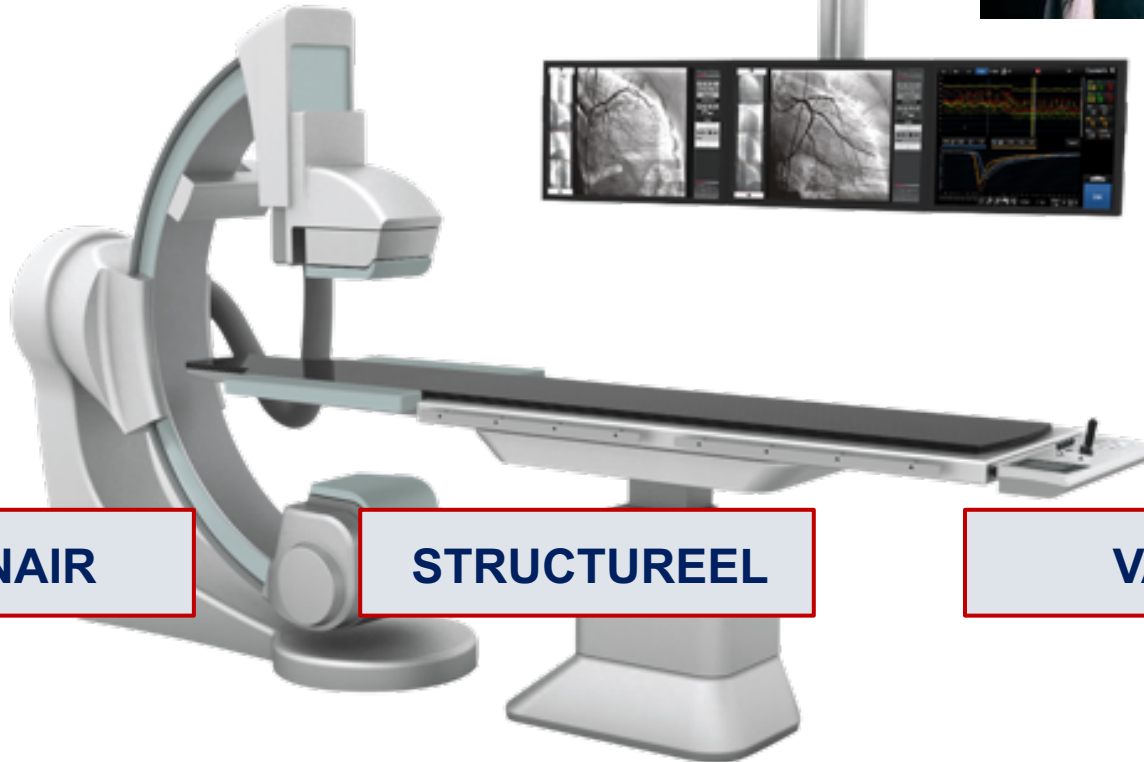


Onvervulde behoefte

Patient-tailored

voor verandering

Technische innovaties in het **cathlab**

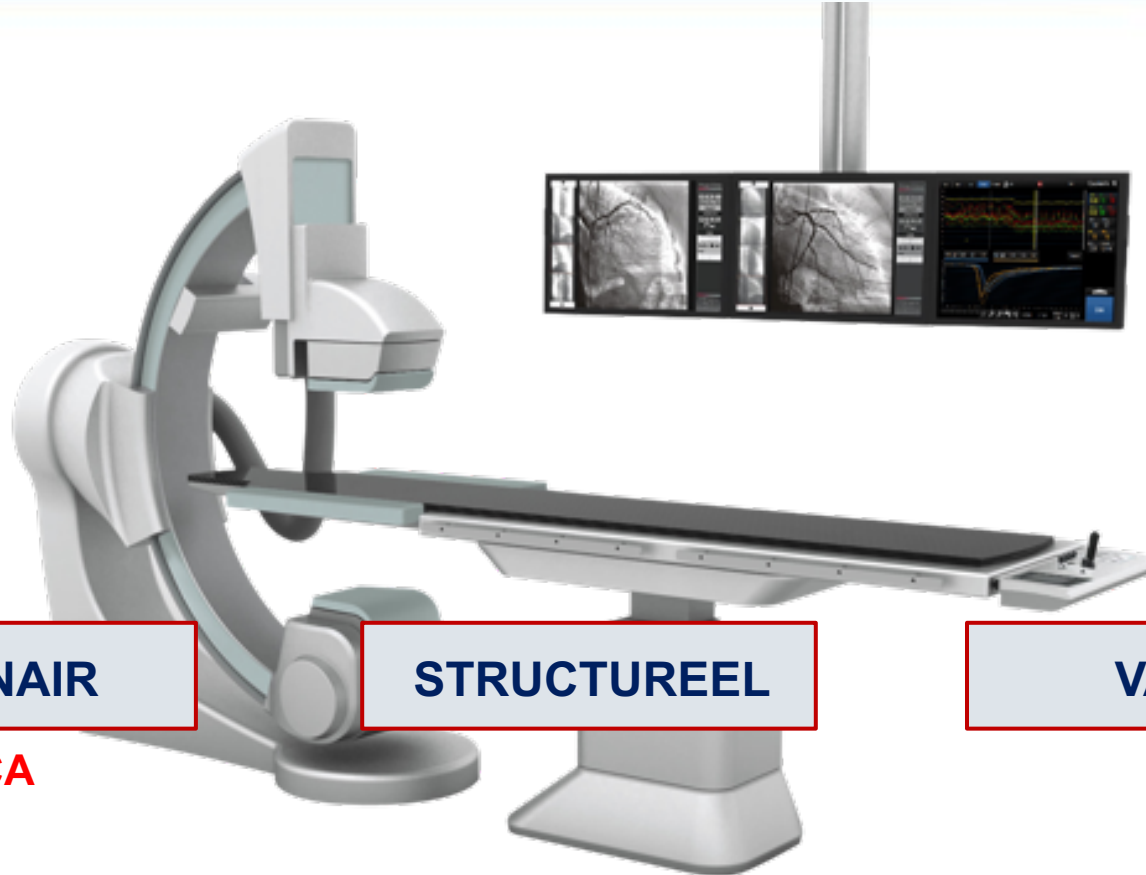


CORONAIR

STRUCTUREEL

VARIA

Technische innovaties in het **cathlab**

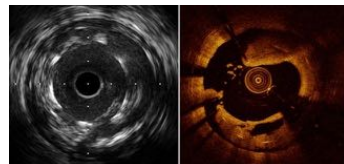
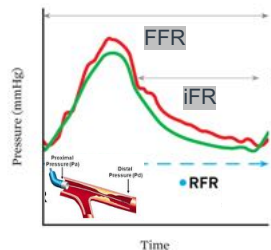


CORONAIR

INOCA

STRUCTUREEL

VARIA

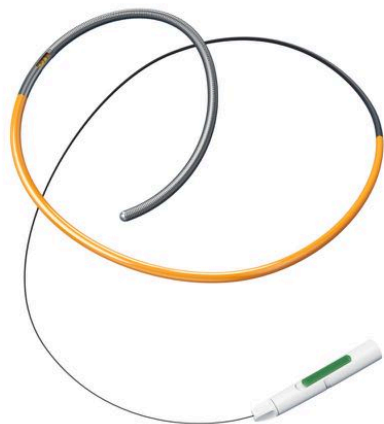


MAAR...

Slechts 30% van patiënten met 'angor' heeft obstructief coronariaalijden
= **70% INOCA**



Normal Structure and Function of Coronary Macro- and Microcirculation

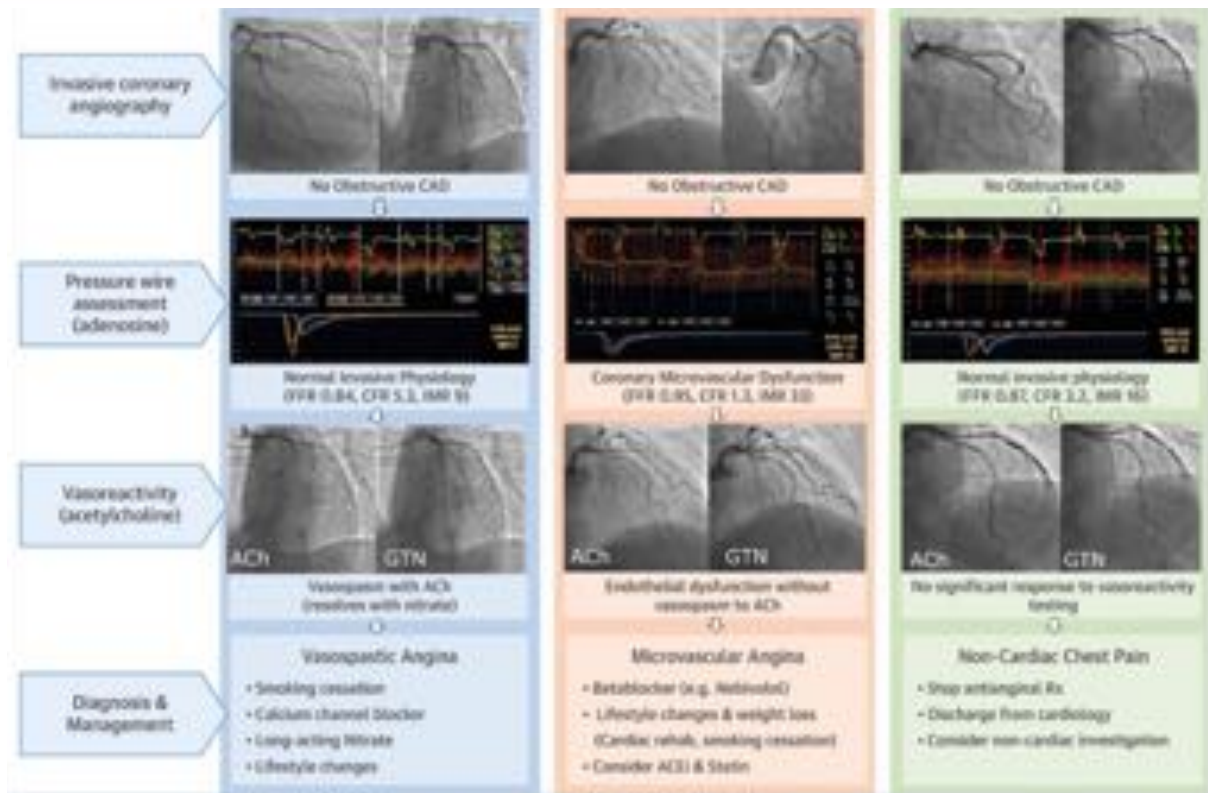


Abbott – Coroventis - CoroFlow



DDx

microvasculair vs vasospastisch vs gemengd vs niet-cardiale pijn

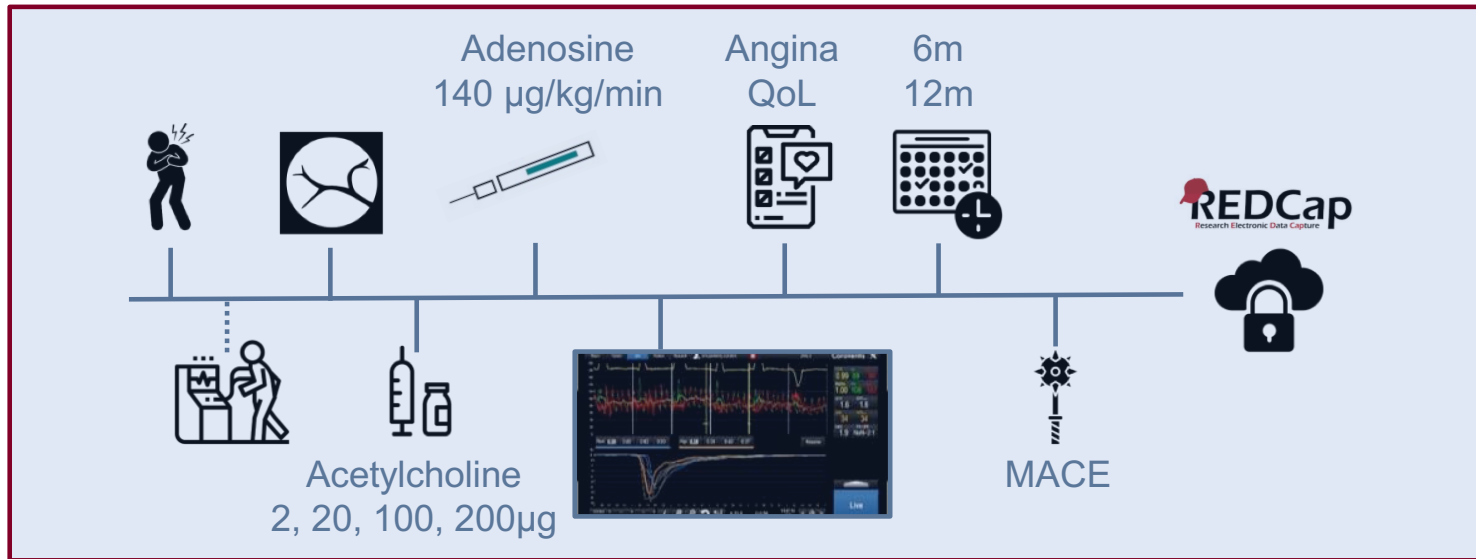


Waarom diagnose belangrijk?

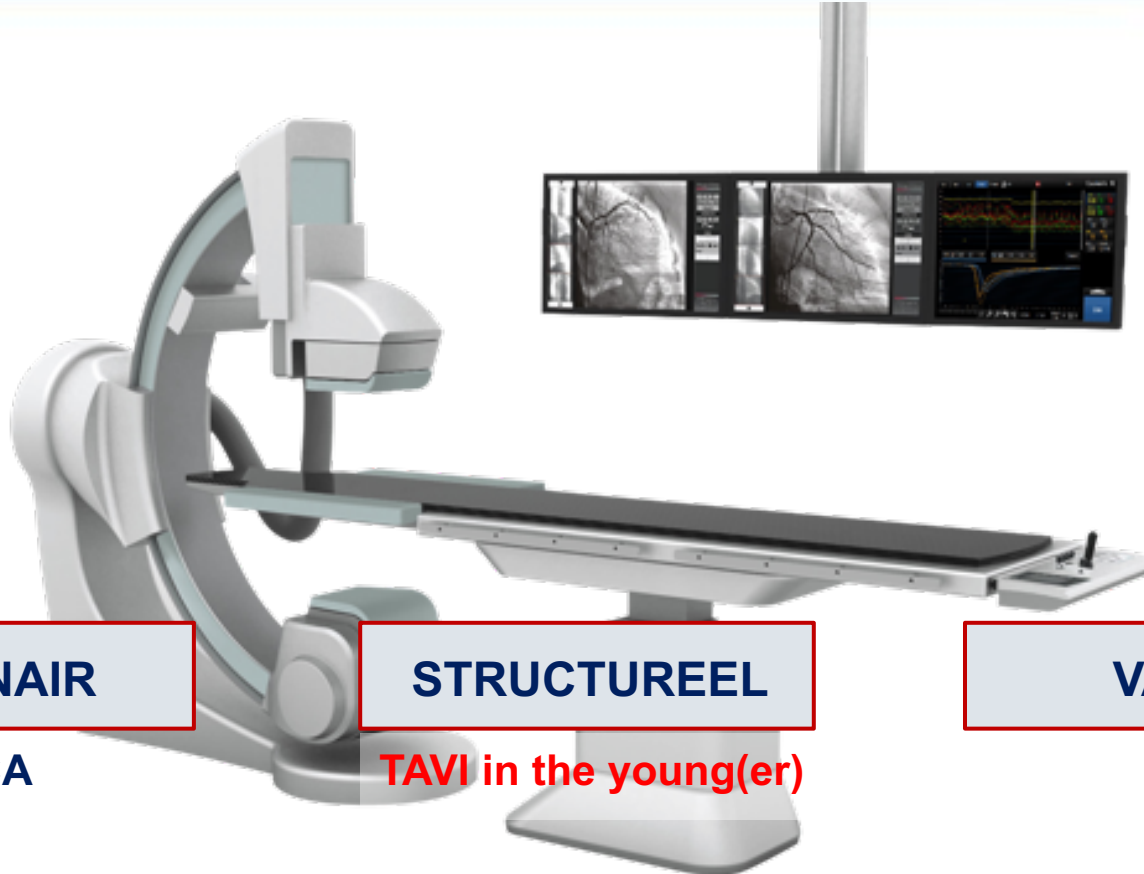
- MACE // obstructief CAD
- Impact op QOL
- Health (cost) burden
- Fenotype ~ therapie (educatie, lifestyle, medicatie↑↑)



BELmicro



Technische innovaties in het **cathlab**



CORONAIR

INOCA

STRUCTUREEL

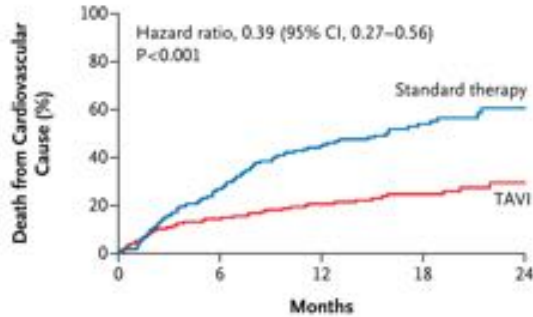
TAVI in the young(er)

VARIA

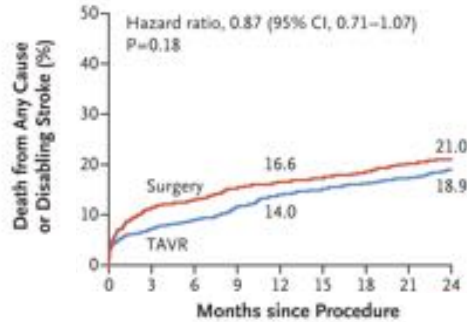
TAVI in the young(er)



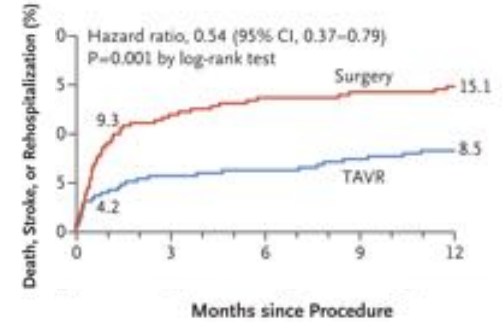
High-risk, inoperabel



Intermediate-risk

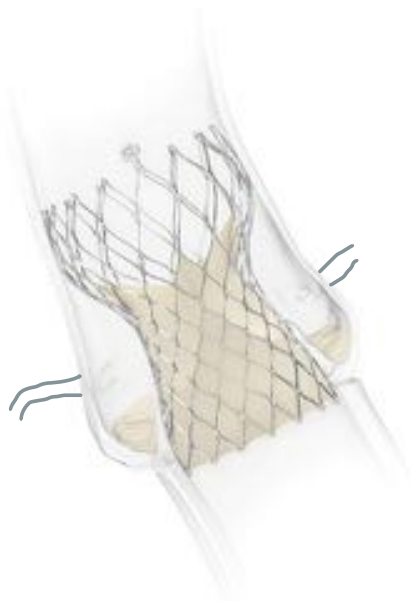


Low-risk



MAAR...

Nieuwe uitdagingen door eigen succes
'lifelong management of AS'



- Durabiliteit >10 jaar?
- Coronair access
- Paravalvulair lek (AR)
- AV-geleiding (LBBB, pacemaker)

TAVI in the young(er)

'lifelong risk'



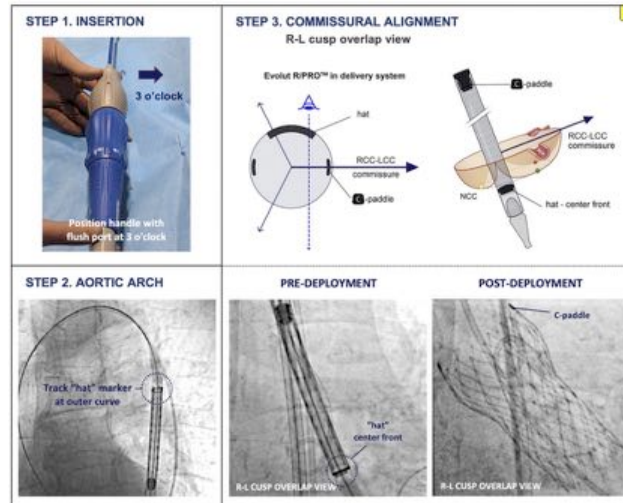
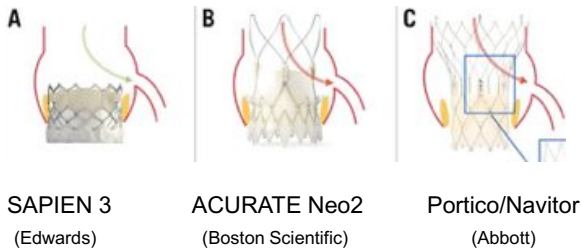
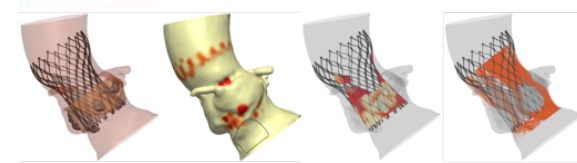
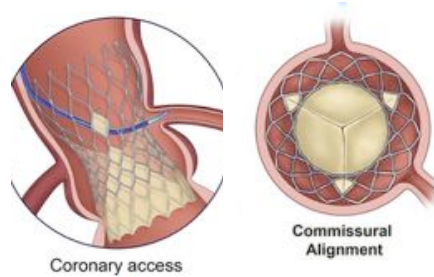
Industrie



Operator



Extern



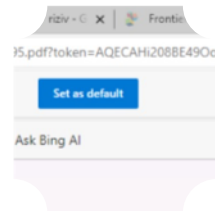
TAVI in the young(er)

'lifelong risk'



AVR-traject

1^e klep

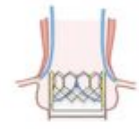
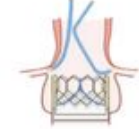


2^e (3^e?) klepframe

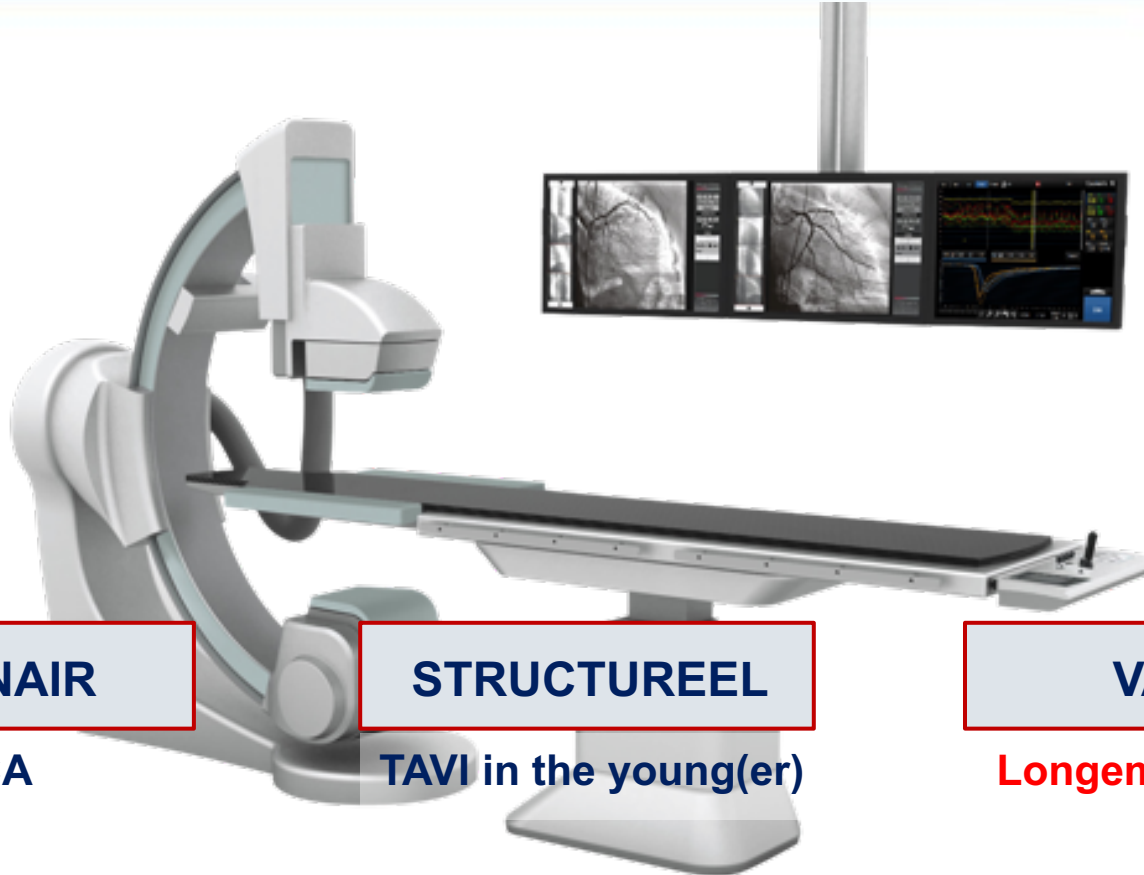
TAVI-in-TAVI

with short-frame THV

with tall-frame THV



Technische innovaties in het **cathlab**



CORONAIR

INOCA

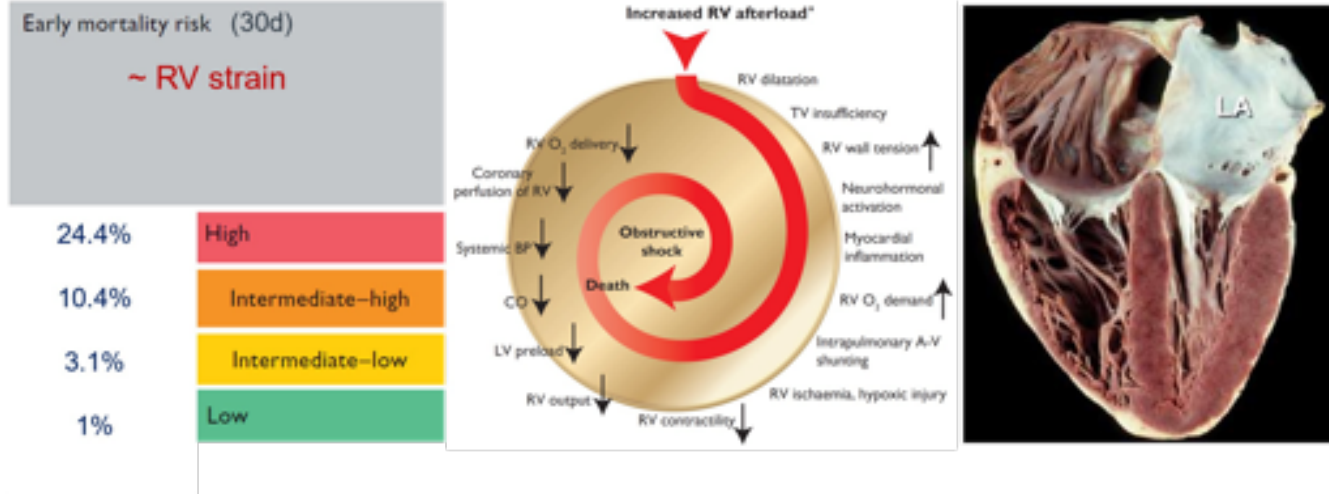
STRUCTUREEL

TAVI in the young(er)

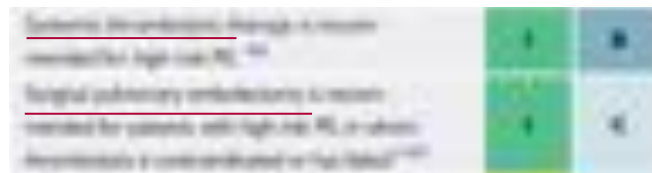
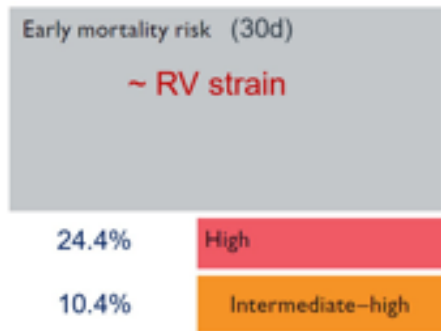
VARIA

Longembolectomie

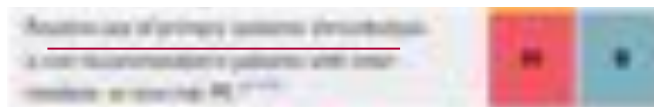
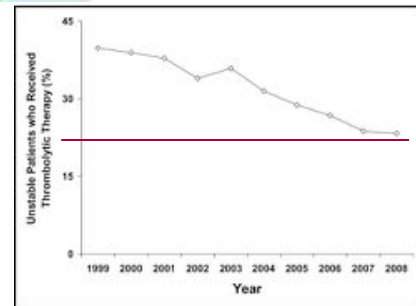
Percutane longembolectomie



Percutane longembolectomie



MAAR...



MAAR... ?

Meerderheid van (intermediair-)hoogrisico LE patiënten zijn onderbehandeld



EKOS (BoSci)

US-assisted lokale thrombolysse



FlowTrievers (Inari)

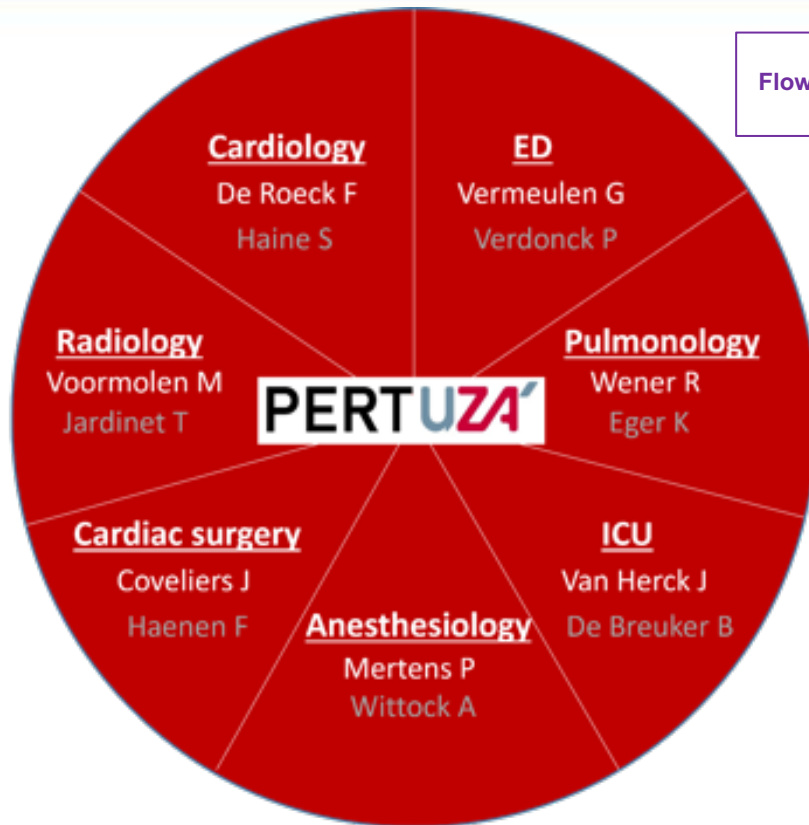
Suctie embolectomie
(+ klonter grijpen dmv disks)



Indigo (Penumbra)

Suctie embolectomie

Percutane longembolectomie



FlowTrierer® Pilot Study In (Intermediate-)High-Risk PE



Vermeulen Griet @Griet_EM · 2 m
First #PE thrombectomy with
@InariMedical FlowTrierer Aspiration
System in the Benelux is a fact!
Succesfully performed by our #UZA
interventional colleagues Niel and De
Roeck! Very proud to be part of our
enthusiast PERTeam in progress...!
@UZAnieus @PERTConsortium

24/7



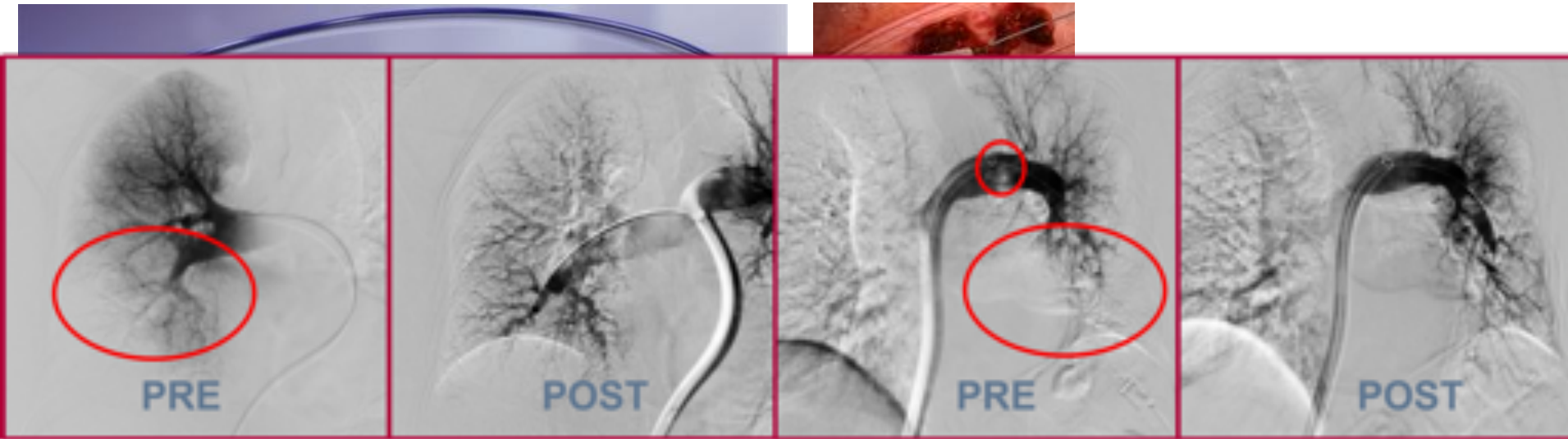
03/821.41.23

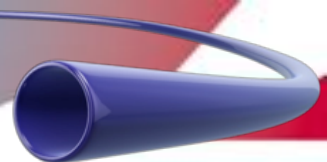
april 2021

Percutane longembolectomie

‘FlowTrievers’

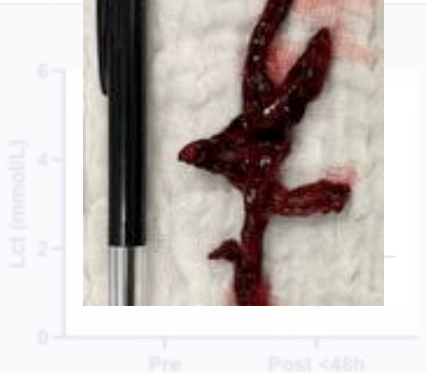
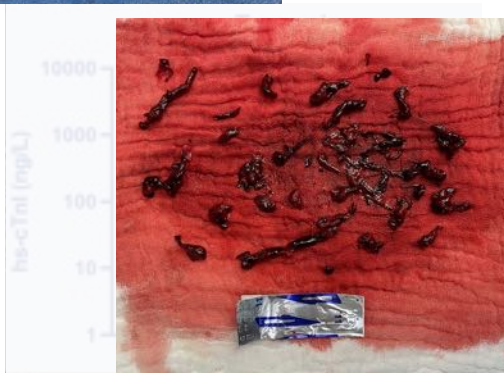
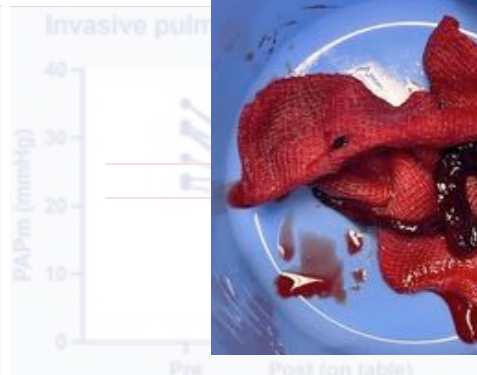
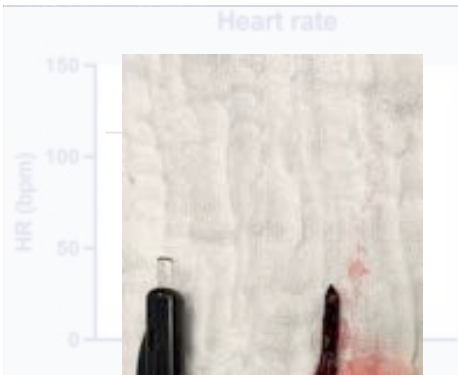
- *Large bore* thromboaspiratie
- 24Fr (8mm) vena femoralis – 16Fr – nitinol disks
- Lokale anesthesie
- Specifiek design voor a. pulmonalis
- Suctie & *clot entrapment*

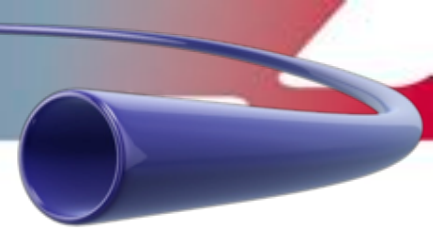




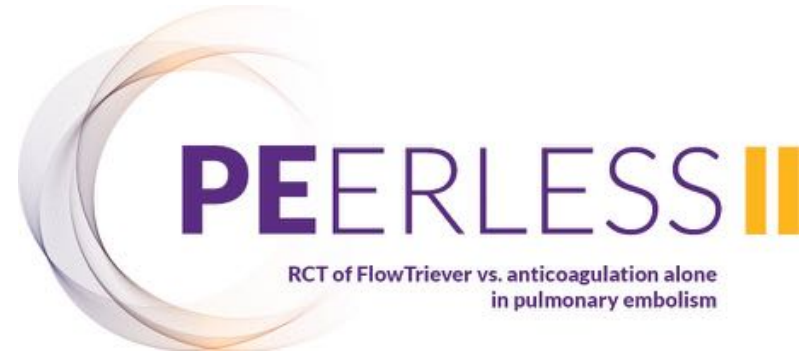
FlowTrieve® Pilot Study In (Intermediate-)High-Risk PE

16 patiënten: 10x IHR, 6x HR





**FLOWTRIEVER ALL-COMER REGISTRY FOR
PATIENT SAFETY AND HEMODYNAMICS**



Technische innovaties in het cathlab – THM



Onvervulde behoefte

Industrie

Operator

Extern



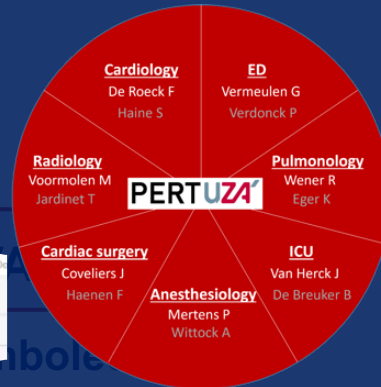
Patient-tailored

CORONAIR

Future is **NOW**

STRUCTUREEL

TAVI in the young(er)



Innovation is the only way to win.

— Steve Jobs —

Technische innovaties in het cathlab



Dr. Frederic De Roeck
Interventiecardioloog



Technische innovaties in het cathlab



Dr. Frederic De Roeck
Interventiecardioloog