40 Years of PCI

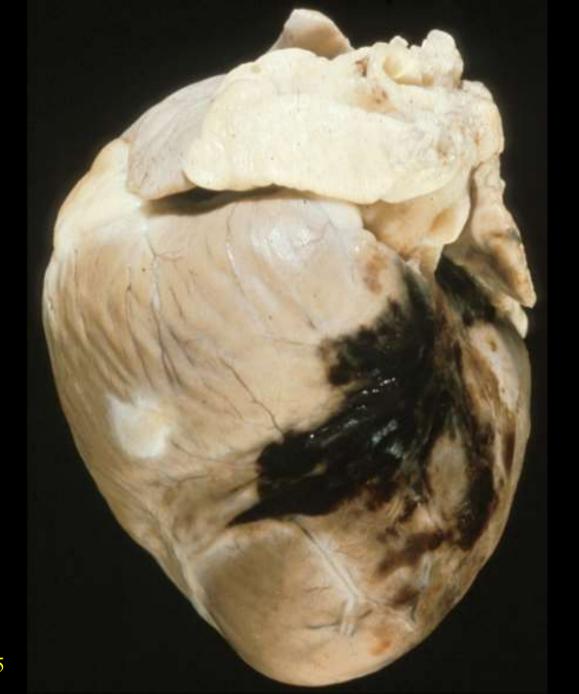
Where Next?

Bernhard Meier

Swiss Cardiovascular Center Bern University Hospital Bern, Switzerland

PTCA Dog Studies

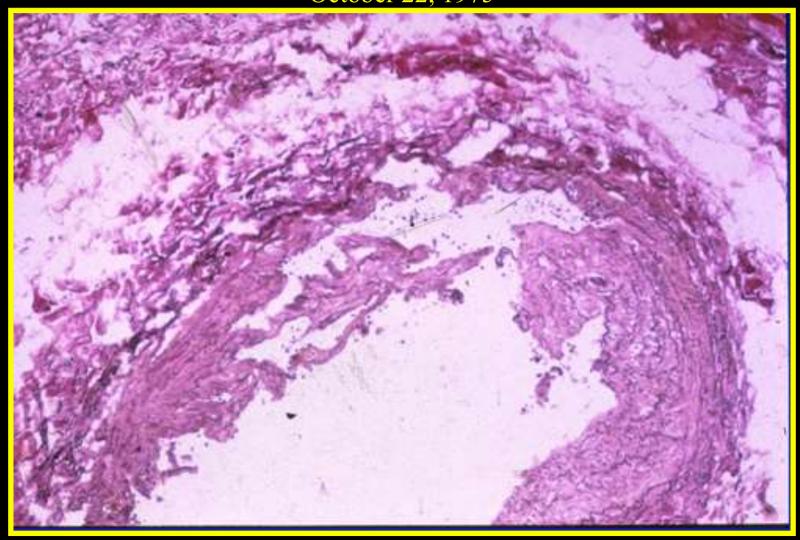
September 24, 1975 to October 22, 1975



Schneider J. Infobl Dt Ges Kardiol 2:30-32, 1995

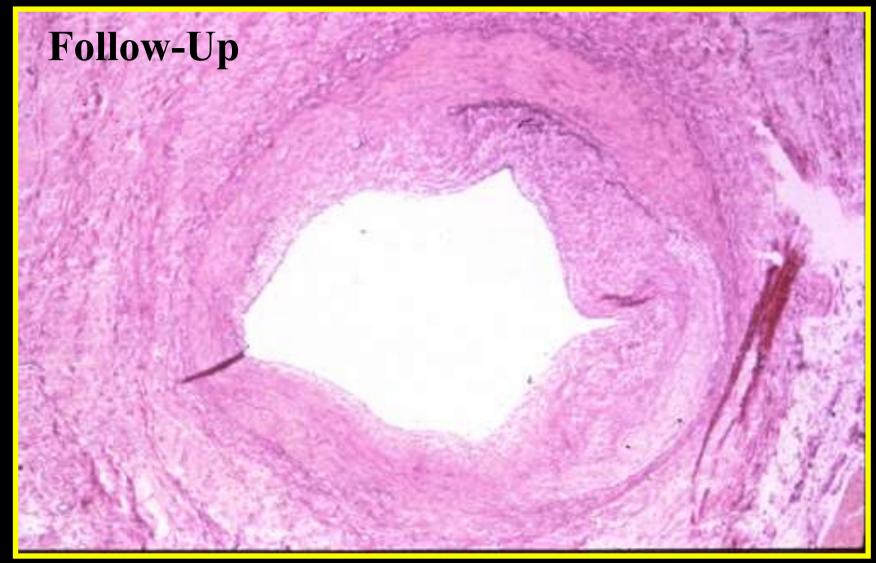
First Dog PTCA Series: Acute

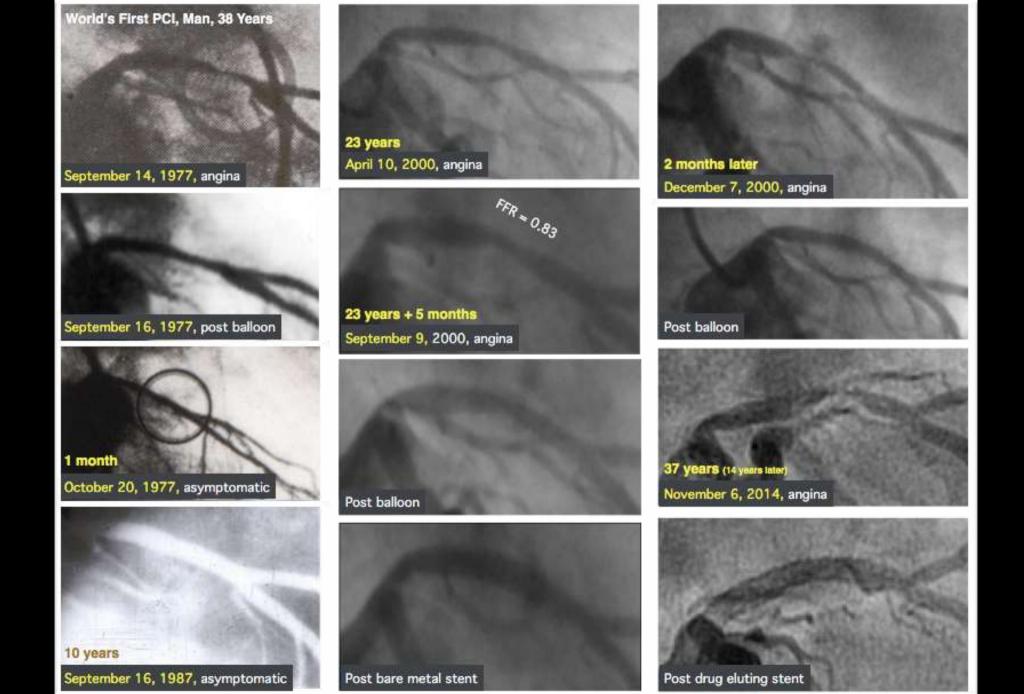
October 22, 1975



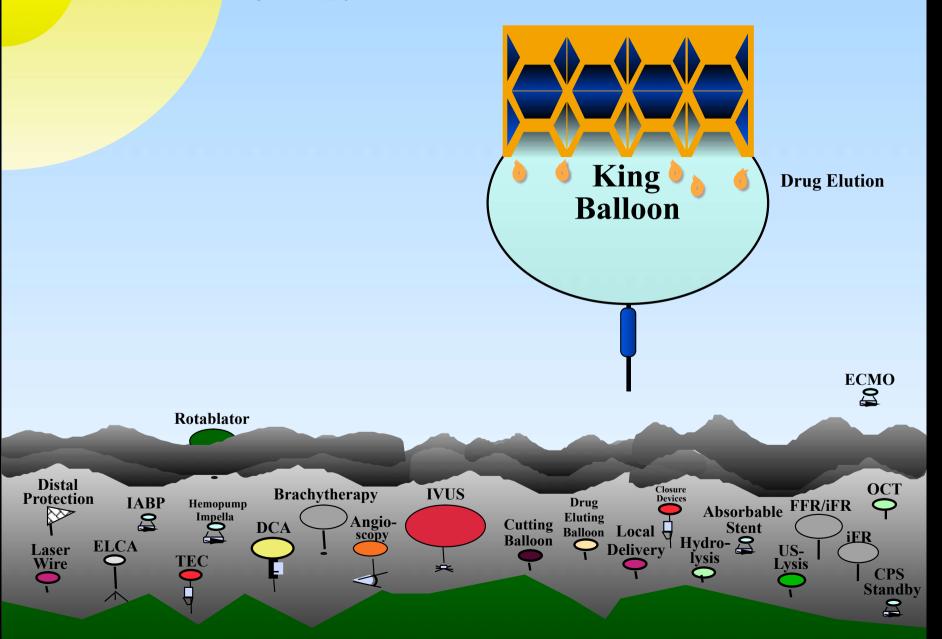
Schneider J. Infobl Dt Ges Kardiol 2:30-32, 1995

First Dog PTCA Series: 1 Month

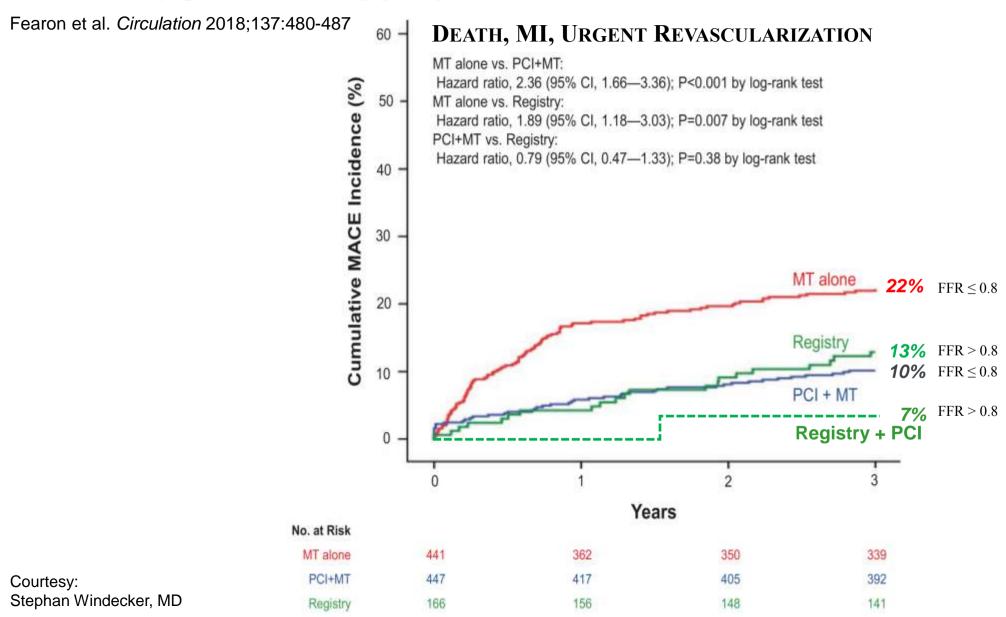








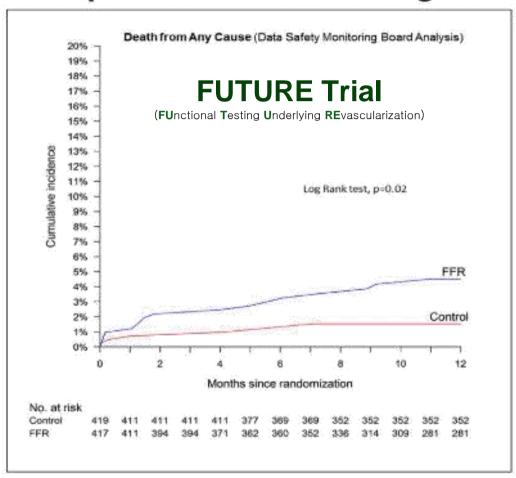
FAME-2: 3-YEAR RESULTS



DSMB: unexpected excess mortality in FFR group compared to control during safety analysis



Rioufol G, AHA 2016



Over n = 836 first patients

All-cause deaths at 12 months: 24

- control: 7 (2%)

- FFR : 17 (4%)

P = 0.02

Cardiovascular death:

72% of all deaths

Sponsor and Steering Committee decided to follow DSMB recommendation and stopped recruitment at n=936 patients of 1721 patients planned

Results and follow-up are presented at end of monitoring visits, June 20th 2016





The Radial Fallacy

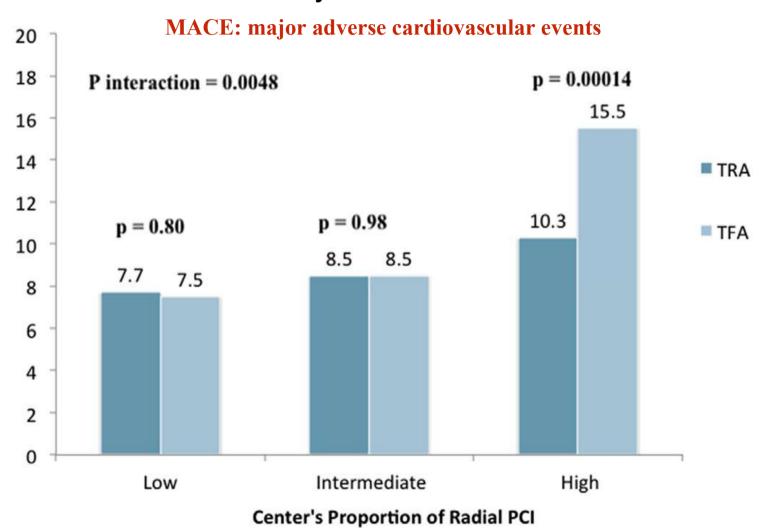




In contrast to the monocyclist who suffers his own learning phase falls and crashes, it is the patient who suffers in the radialist's learning phase falls and crashes.



MACE and NACE Between TRA and TFA in the MATRIX Trial Stratified by Center's Radial PCI



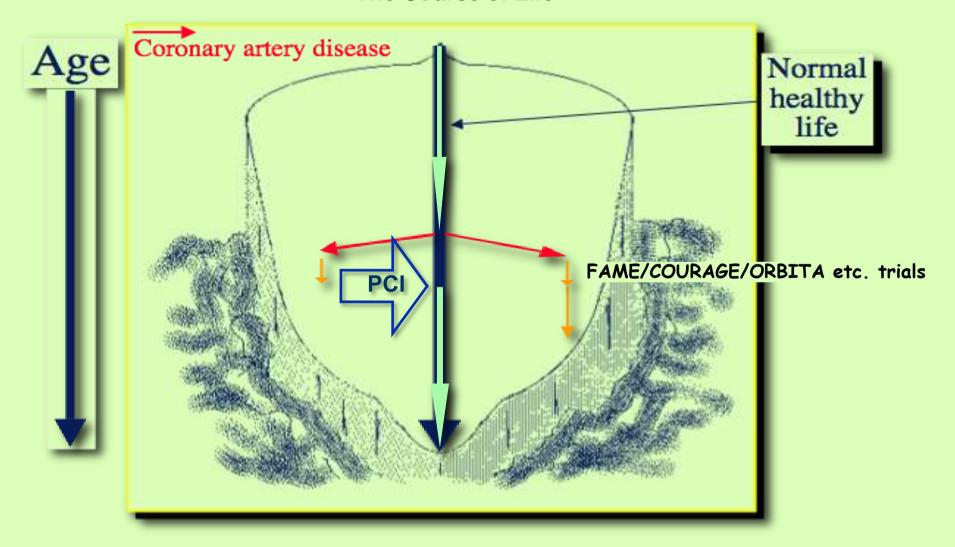
Radial Artery Coronary Angiography and Subsequent CABG

- 167 papers on radial artery coronary angiography
- 11 papers analyzed
- Acute radial artery occlusion: 2.3 30.5%

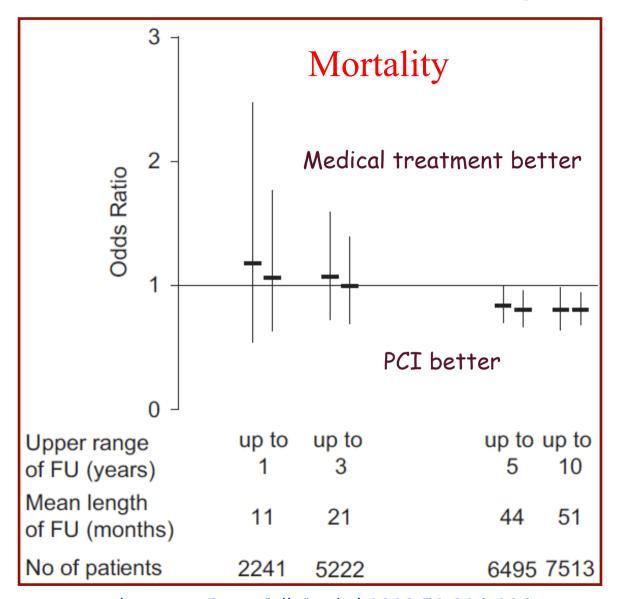
Avoid radial artery as a bypass conduit if it has previously been used for coronary angiography!

The Best Use of Coronary Angioplasty

The Course of Life



PCI vs. Medical Treatment with Increasing Follow-Up

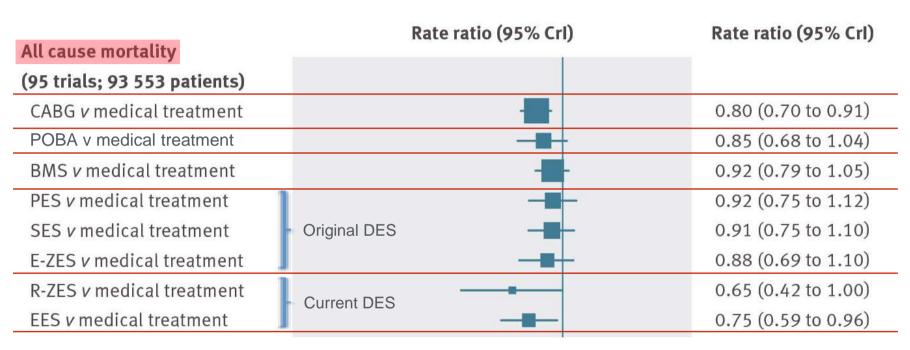


Schömig A, J Am Coll Cardiol 2008;52:894-904

Revascularisation versus medical treatment in patients with

stable coronary artery disease

Network meta-analysis



Favours revascularisation

Favours medical treatment

BMS	bare metal stent
CABG	coronary artery bypass grafting
EES	Xience everolimus-eluting stent
E-ZES	Endeavor zotarolimus-eluting stent
PES	Taxus paclitaxel-eluting stent
POBA	plain old balloon angioplasty
R-ZES	Resolute zotarolimus-eluting stent
SES	Cypher sirolimus eluting stent
i	

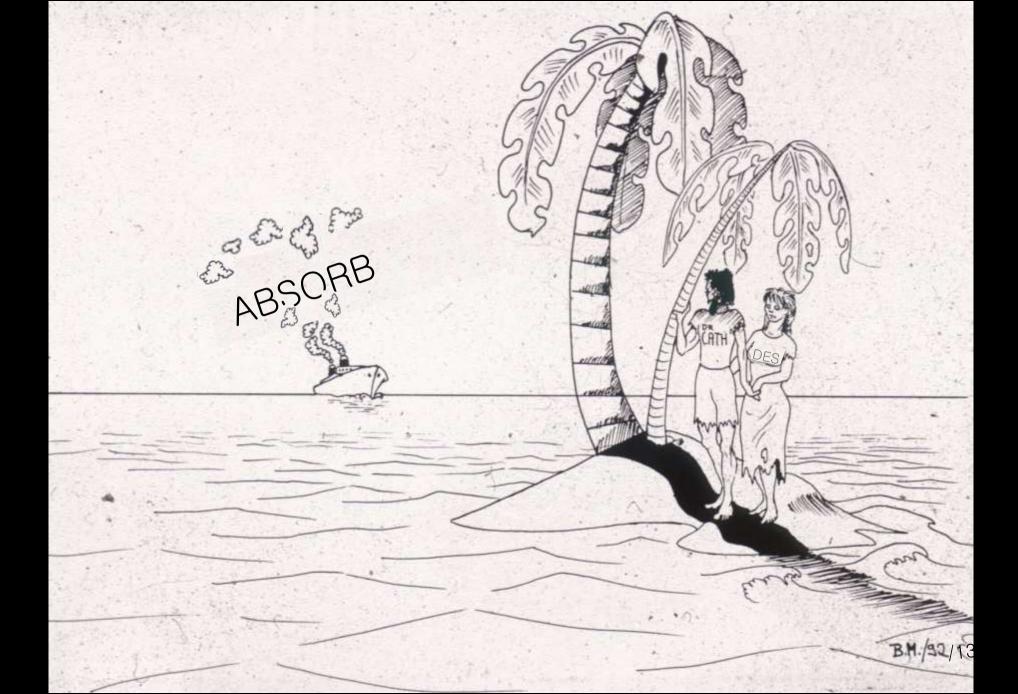
Windecker S, BMJ 2014;348:g3859 doi

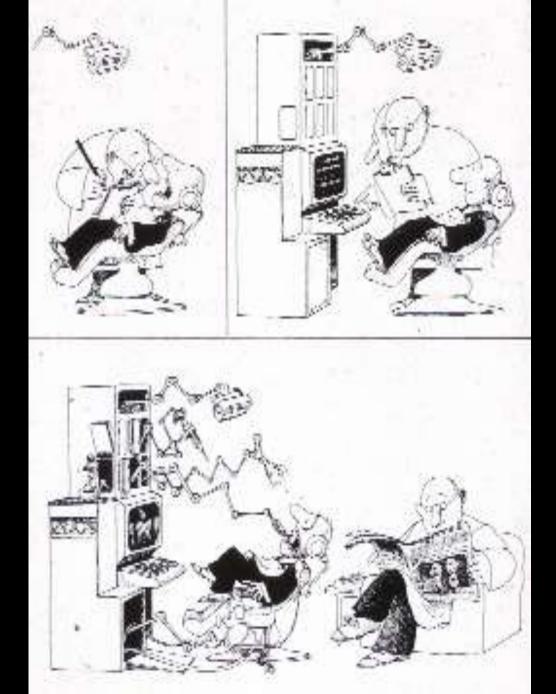
Interventional Cardiologists

Cardiac Surgeons



We are in this boat together!





The Post-Interventional Cardiologist

