

Diabetesforum 2017

Diabetes og hjerte- kar sykdommer

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- Nye retningslinjer for behandling av DM: John Cooper
- "Forebygging og risikovurdering hos pasienter med diabetes" Tor Ole Klemsdal
- SGLT2 hemmere ved T2DM-et paradigmeskift?: Serena Tonstad
- Revaskularisering av pasienter med diabetes mellitus og koronarsykdom. Kirurgi vs PCI. Hva mener pasientene?

Revaskularisering av pasienter med diabetes mellitus og koronarsykdom.

Kirurgi vs PCI

Diabetes forum

27 april 2017

Pasient med diabetes mellitus

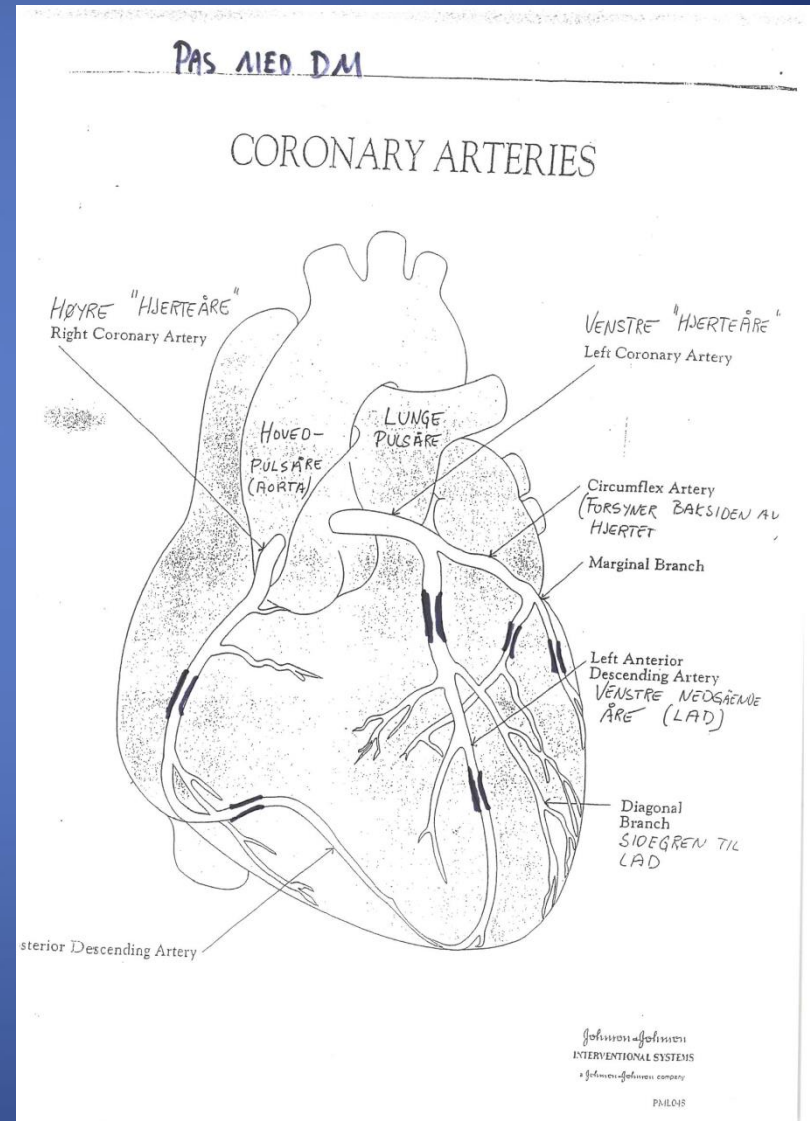
53 år gml mann
T2 DM i 5 år

Kolesterol 5.3
LDL 2.6
HbA1c 7.5

Medikamenter:
Janumet 50/850x2
Lipitor 40 mg x1

Trett, redusert arbeidstoleranse
AEKG: ischemiforandringer 100W

Henvist til koronar angiografi



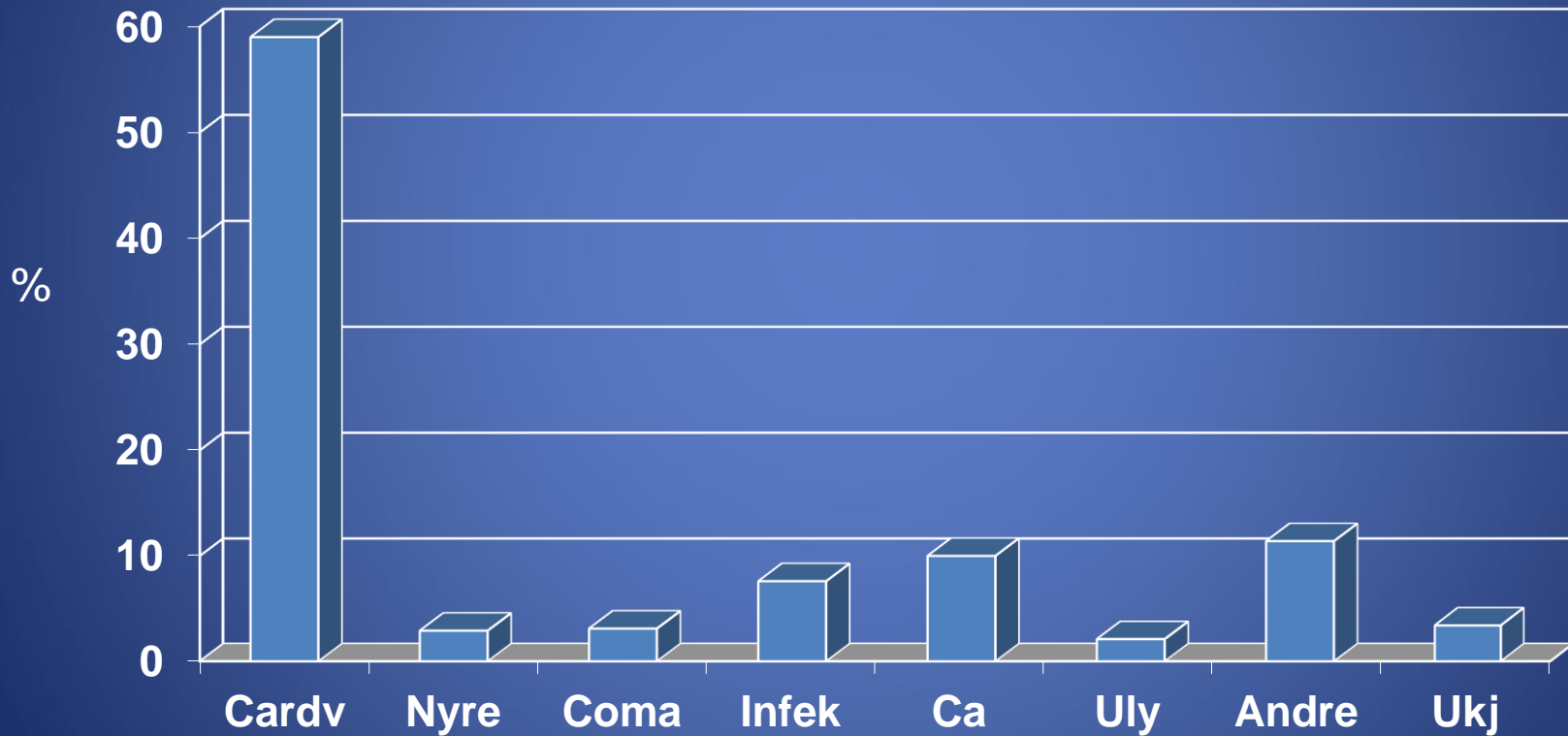
<https://www.mentimeter.com/s/9e5615800632132753a8183184b73d01/8166002c5358>

Logg inn på: www.menti.com
Kode: 69794

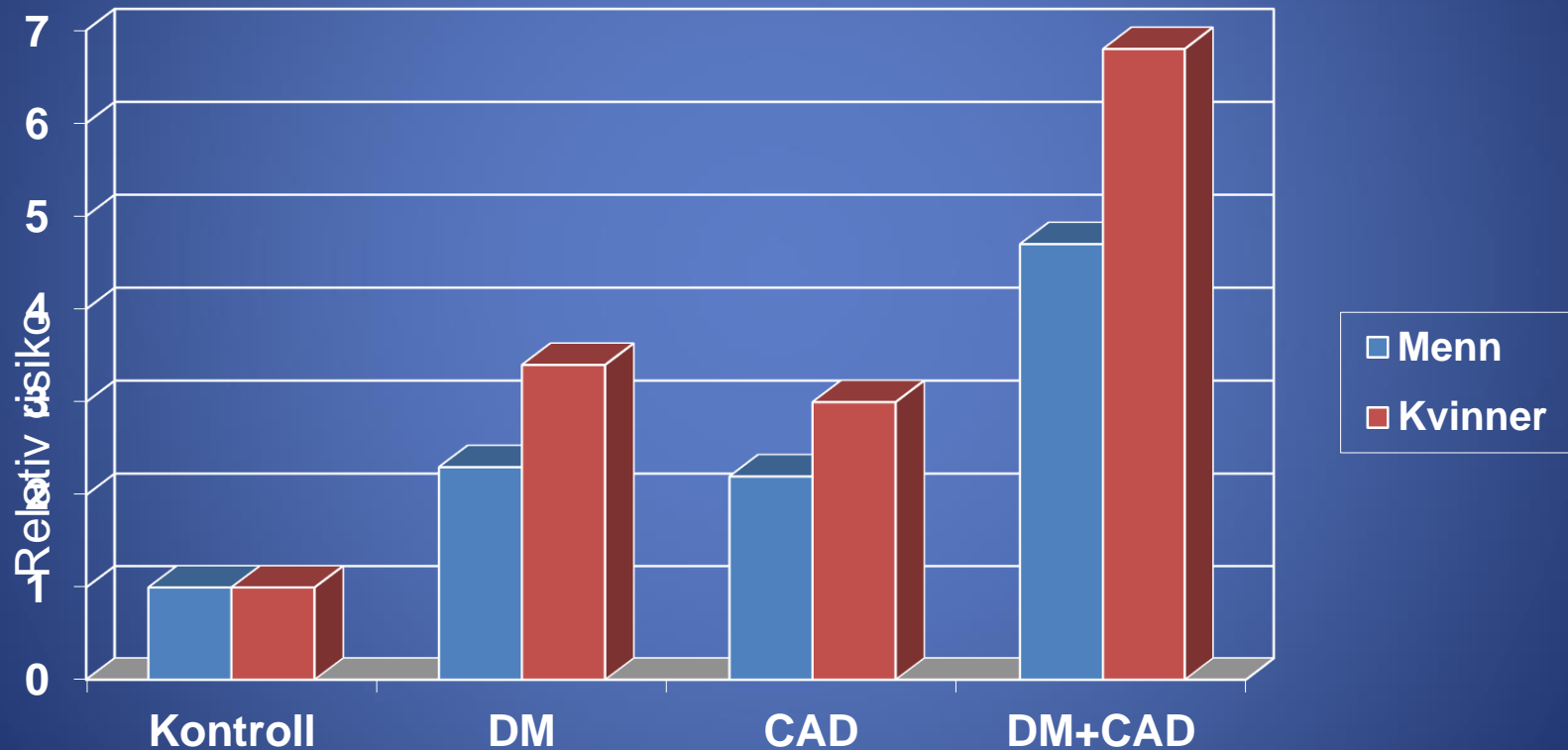
Diabetes og hjertesykdom

- Forekomst
- Mekanismer
- Behandling
- Revaskularisering
 - Effekt på symptomer, QoL, sykkelighet og dødelighet
 - Får pasientene adekvat informasjon?
 - Hva mener pasientene?

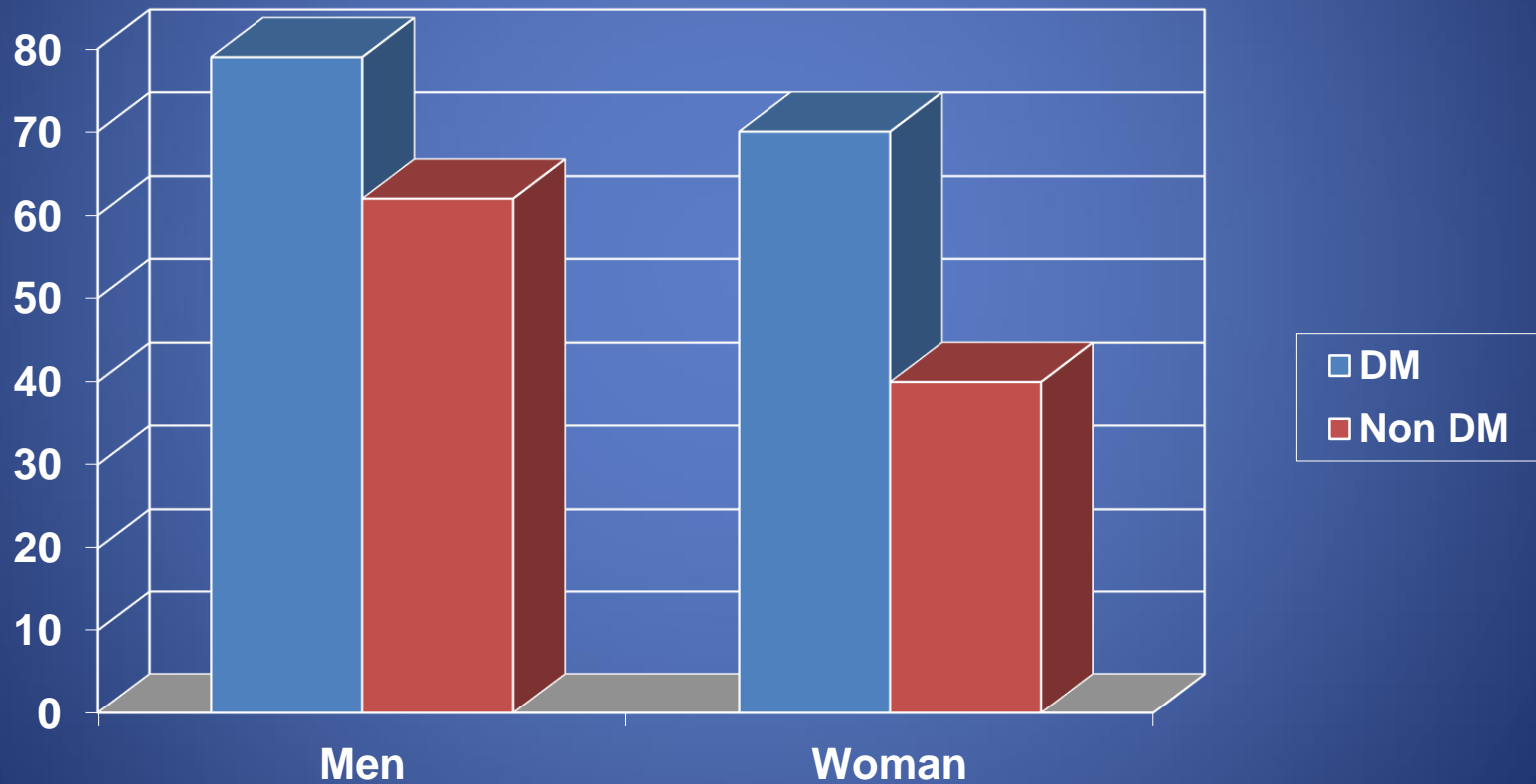
Dødsårsaker hos type 2 DM (n=1694 dødsfall)



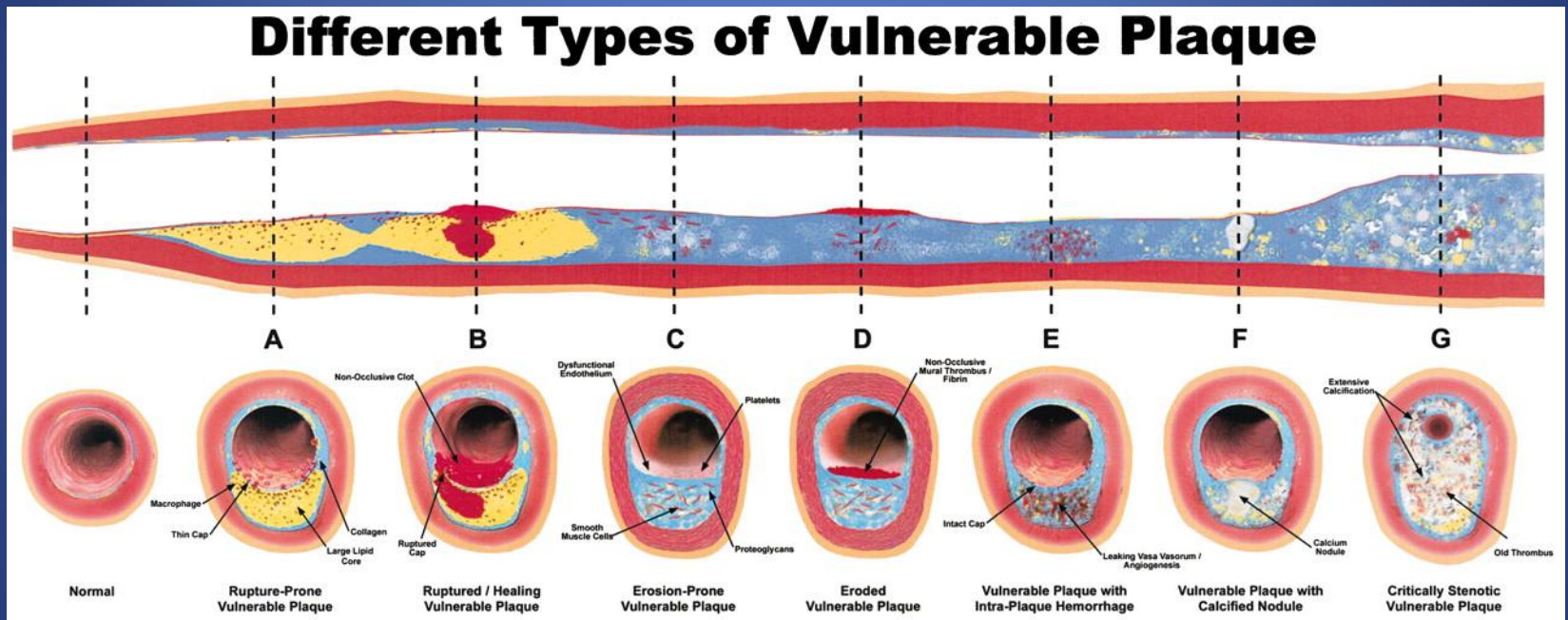
Diabetes mellitus og risiko for død: US Physician study og Nurses Health Study



Prevalence of high-grade coronary atherosclerosis (autopsy studie, n=293/1736, mean age 74)

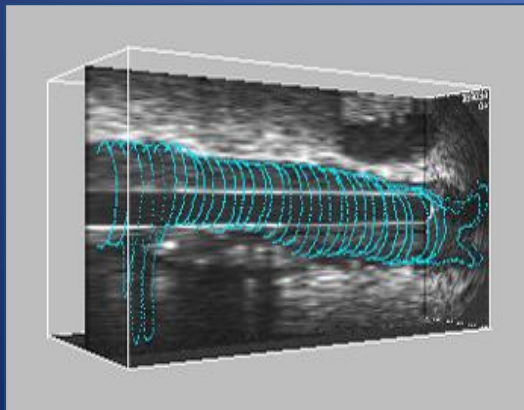
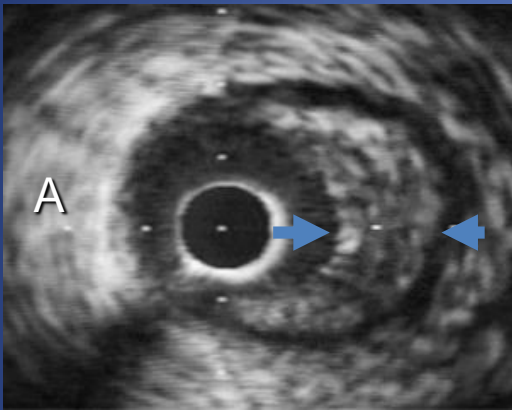


Atherosclerosis: Different types of vulnerable plaque as underlying cause of acute coronary events (ACS) and sudden cardiac death (SCD).



Naghavi M et al. *Circulation* 2003;108:1664-1672

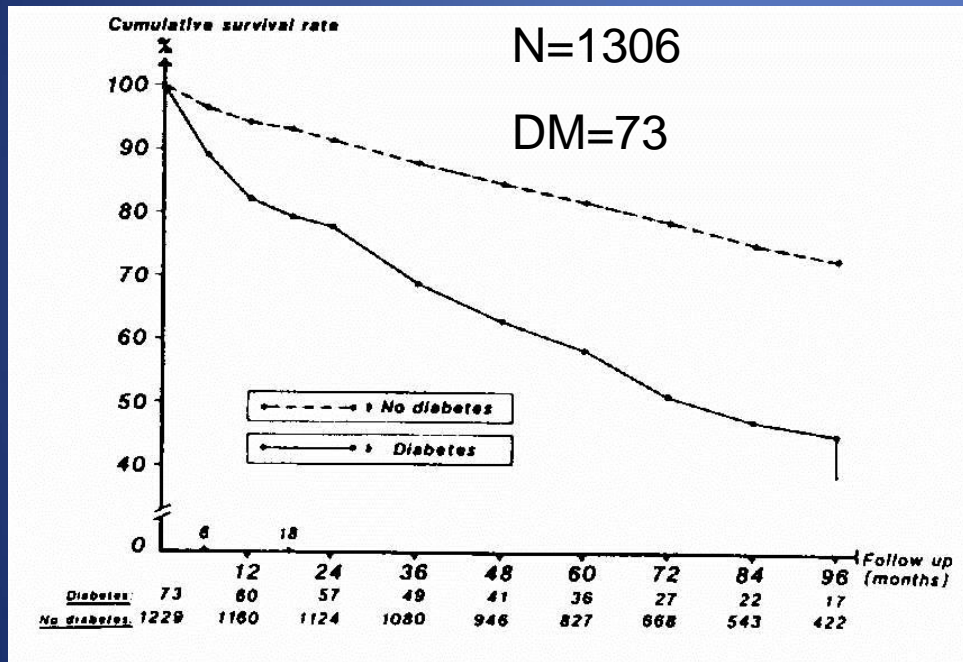
Atheroma burden in diabetes



	Non diabetics N=1821	Diabetics N=416
Percent atheroma volume	38.1 ± 9.3	40.7 ± 9.9*
Total atheroma volume	192 ± 84	204 ± 90*
Lumen volume (mm ³)	306 ± 108	291 ± 104*

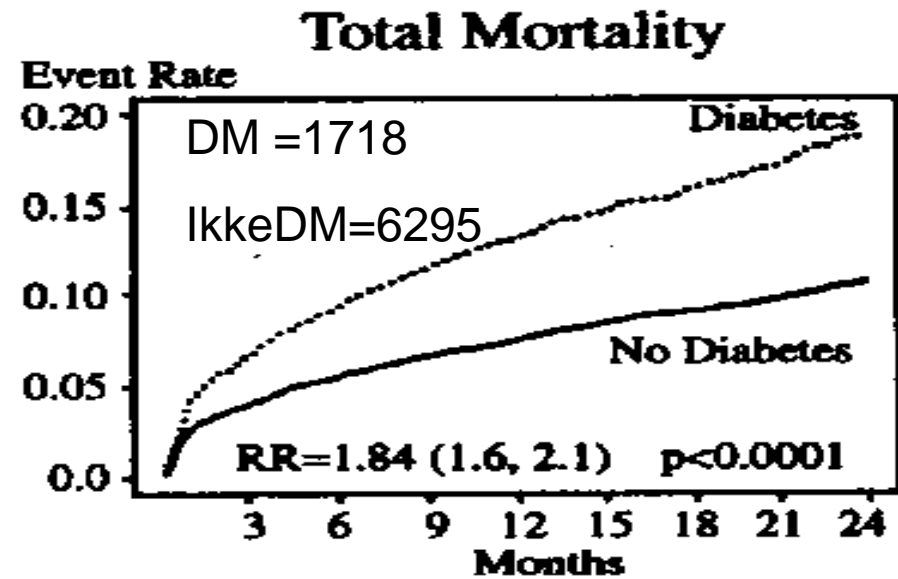
Overlevelse etter hjerteinfarkt og akutte koronarsyndrom

Hjerteinfarkt



G Ulvenstam Diabetes 1985;34:787

Akutte koronarsyndrom



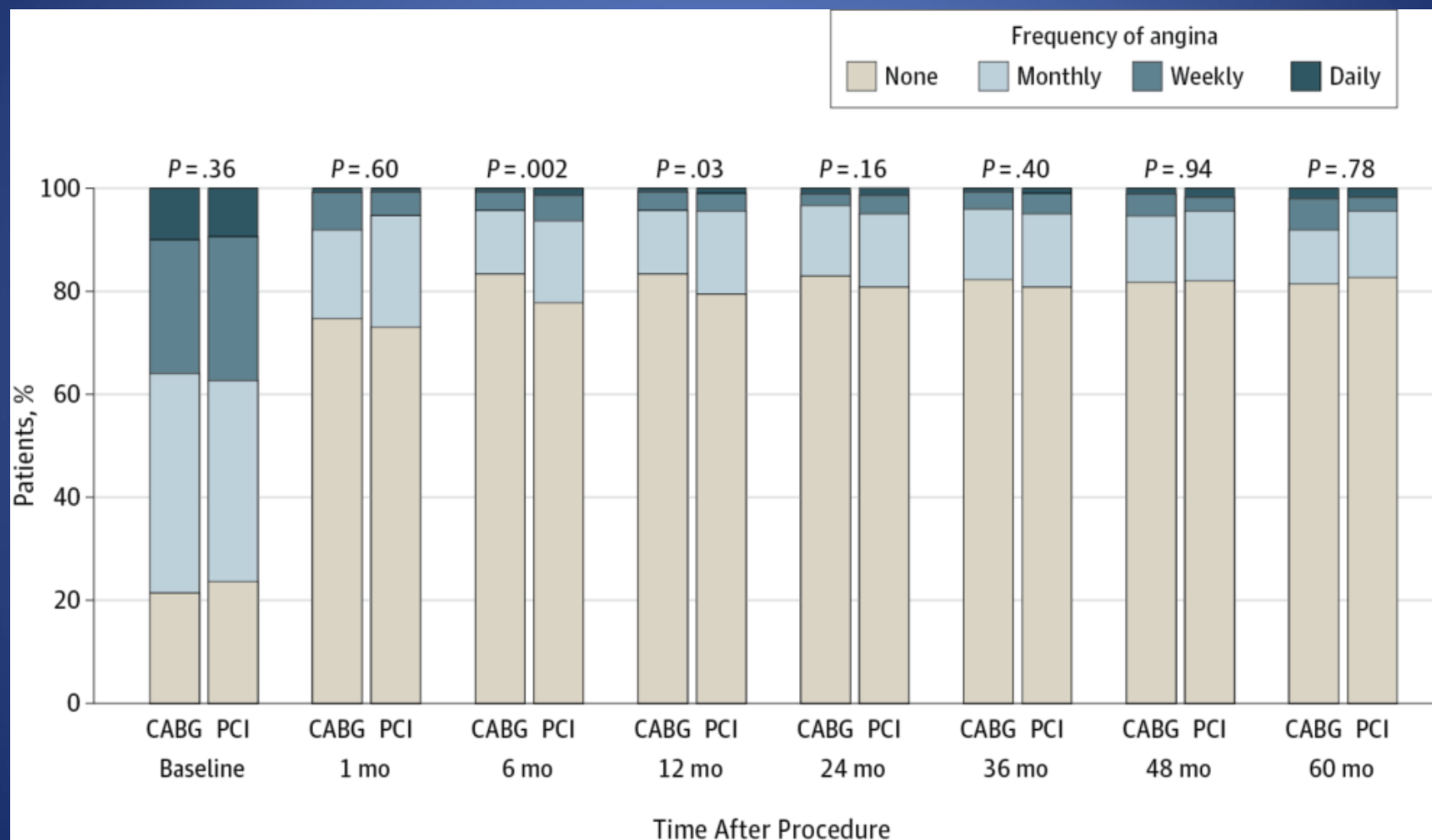
K Malmberg Circulation
2000;102:1014

Diabetes og hjertesykdom

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- **Revaskularisering**
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Frequency of angina after PCI vs CABG

The Freedom trial



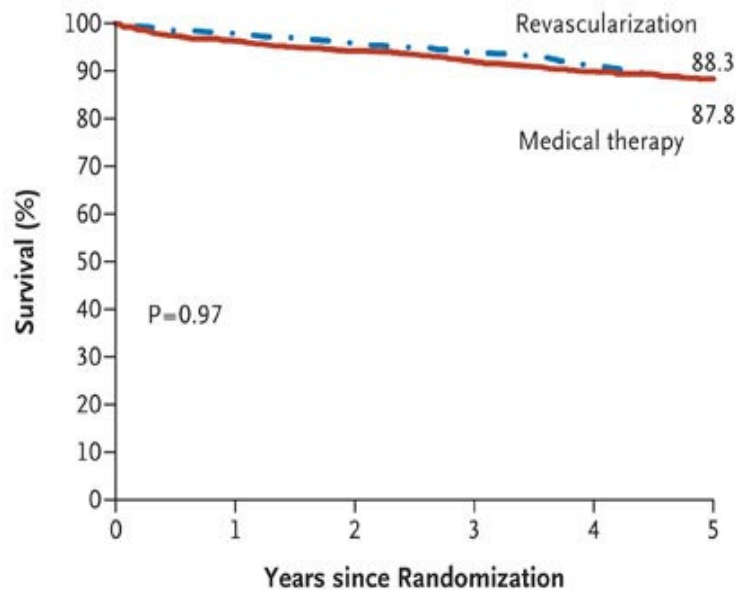
The BARI 2D Study :

Survival in the revascularization and medical group

Revaskularisering vs medisinsk beh

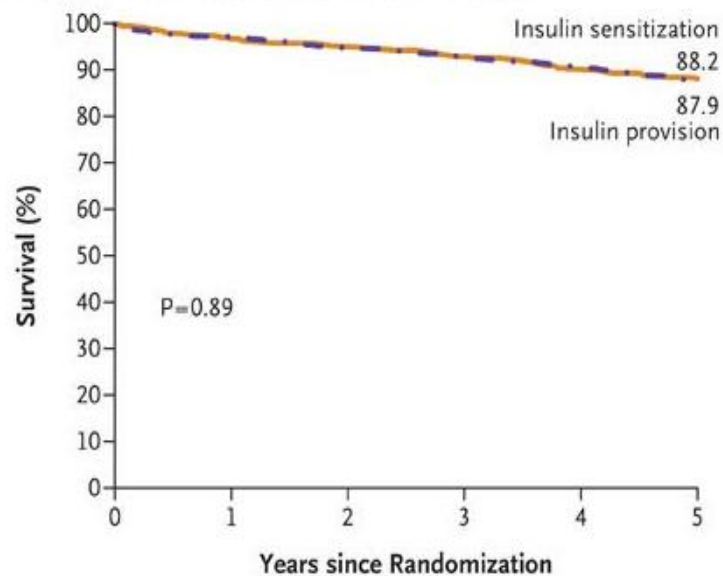
Blodsukkerkontroll

A Survival, Revascularization vs. Medical Therapy



No. at Risk 2368 2296 2247 2197 1892 1196

B Survival, Insulin Sensitization vs. Insulin Provision



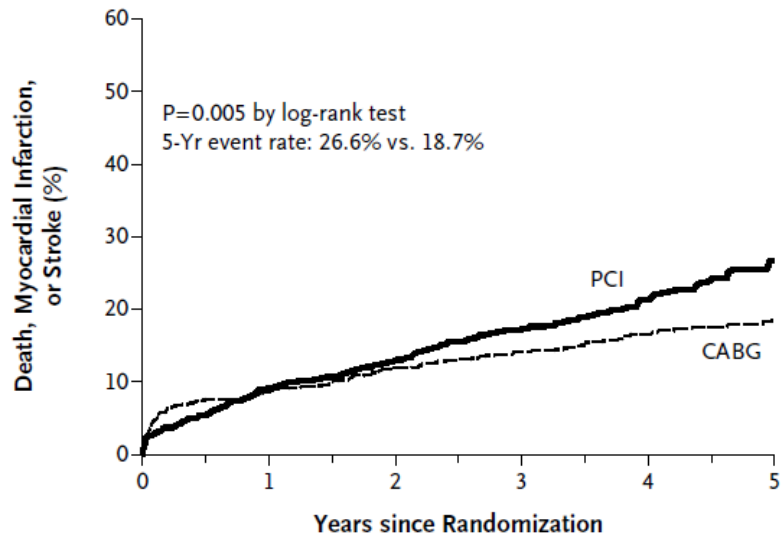
No. at Risk 2368 2296 2247 2197 1892 1196

2368 T2DM+CV sykdom randomisert til Revaskularisering eller medisinsk beh, deretter til insulin sensitivisering (Metformin/TZD) eller insulin provision (SU/Insulin) The BARI 2D Study Group NEJM 2009;360:2503

The FREEDOM trial

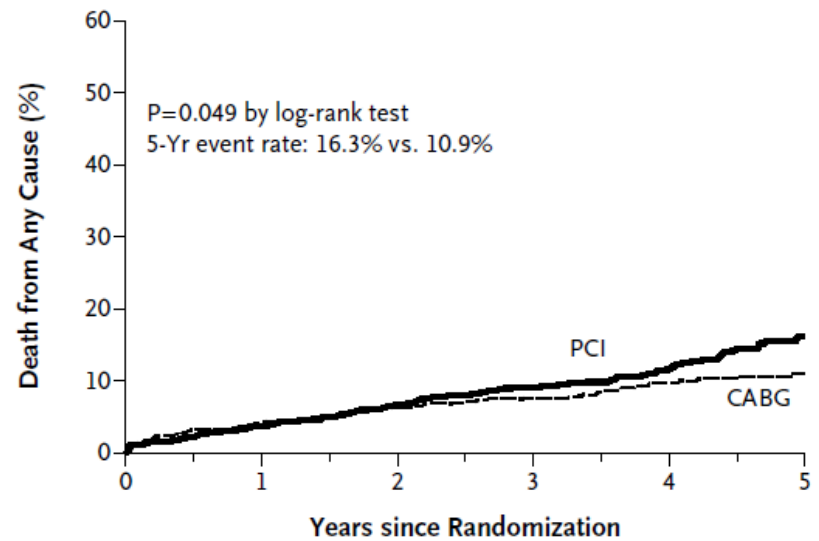
1800 pas med DM og koronarsykdom randomisert til CABG eller PCI
Primært utkomme: død+MI-slag

A Primary Outcome



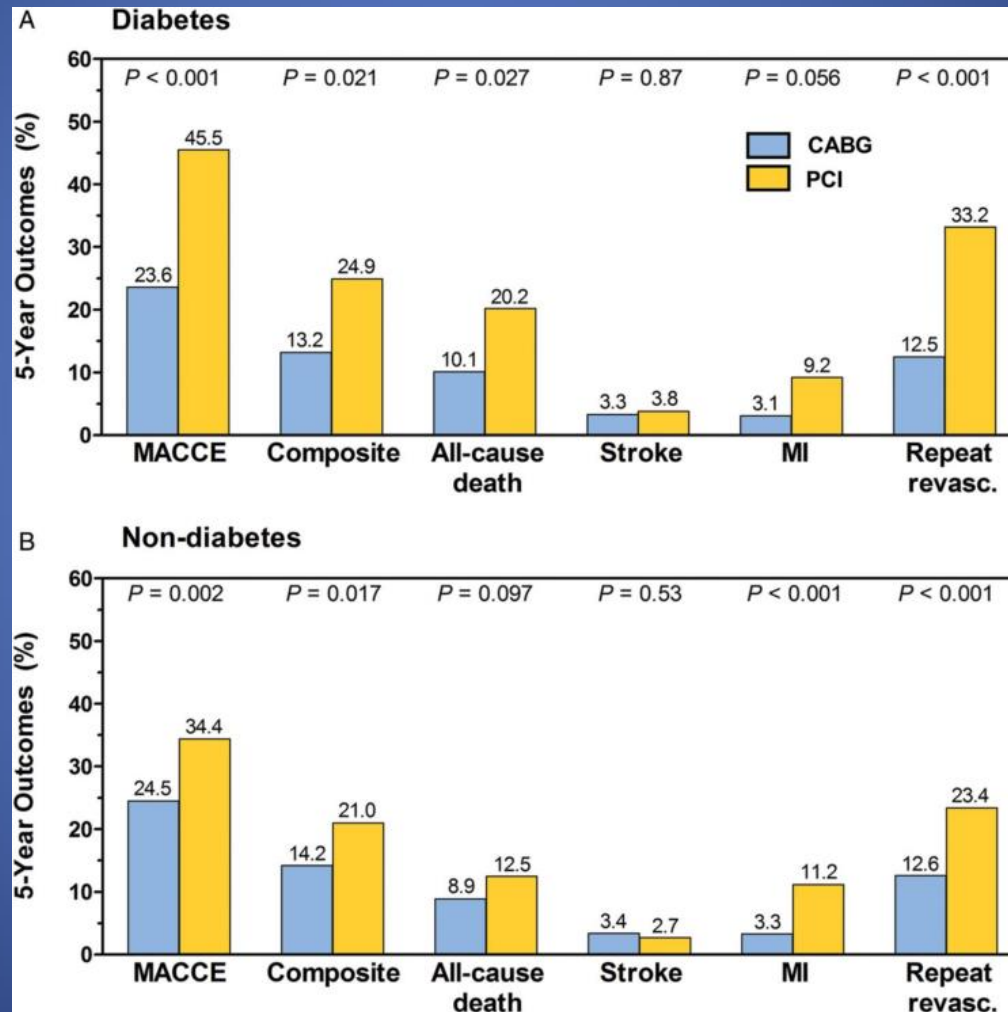
No. at Risk	0	1	2	3	4	5
PCI	953	848	788	625	416	219
CABG	947	814	758	613	422	221

B Death

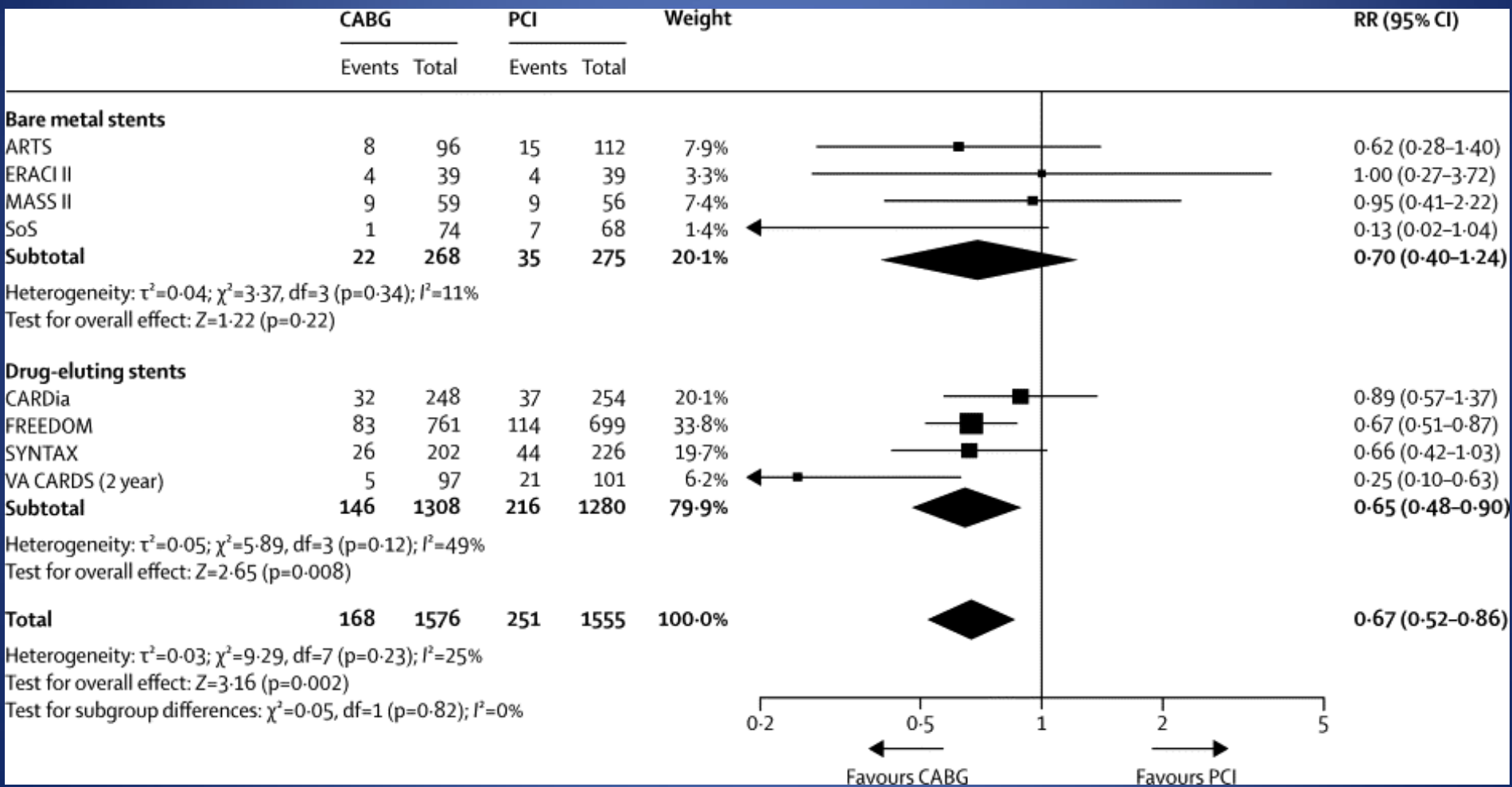


No. at Risk	0	1	2	3	4	5
PCI	953	897	845	685	466	243
CABG	947	855	806	655	449	238

Five-year estimates of adverse events in patients with diabetes and without diabetes.



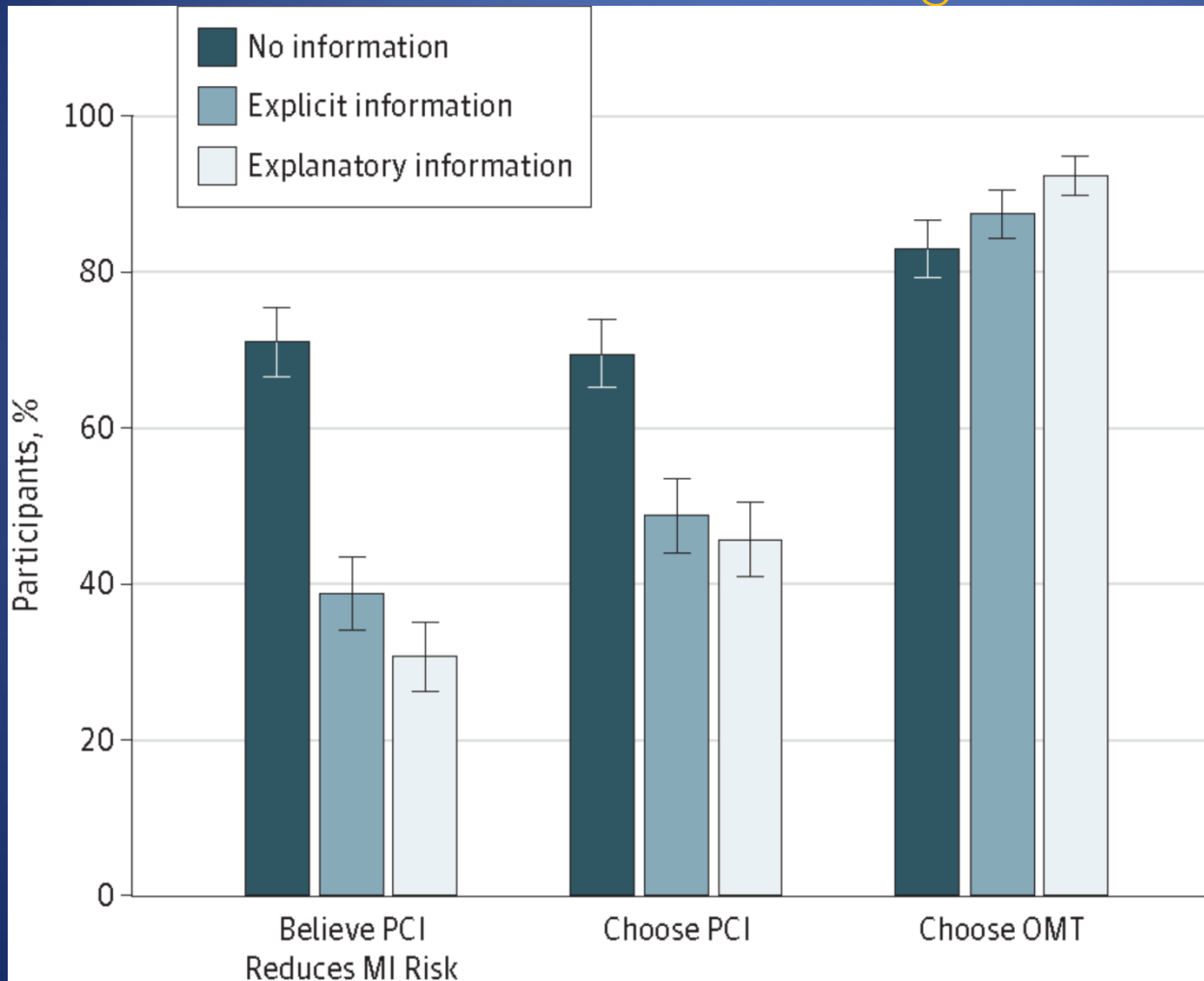
Forest plot for all-cause mortality at 5-year (or longest) follow-up. a meta-analysis of randomised controlled trials



Diabetes og hjertesykdom

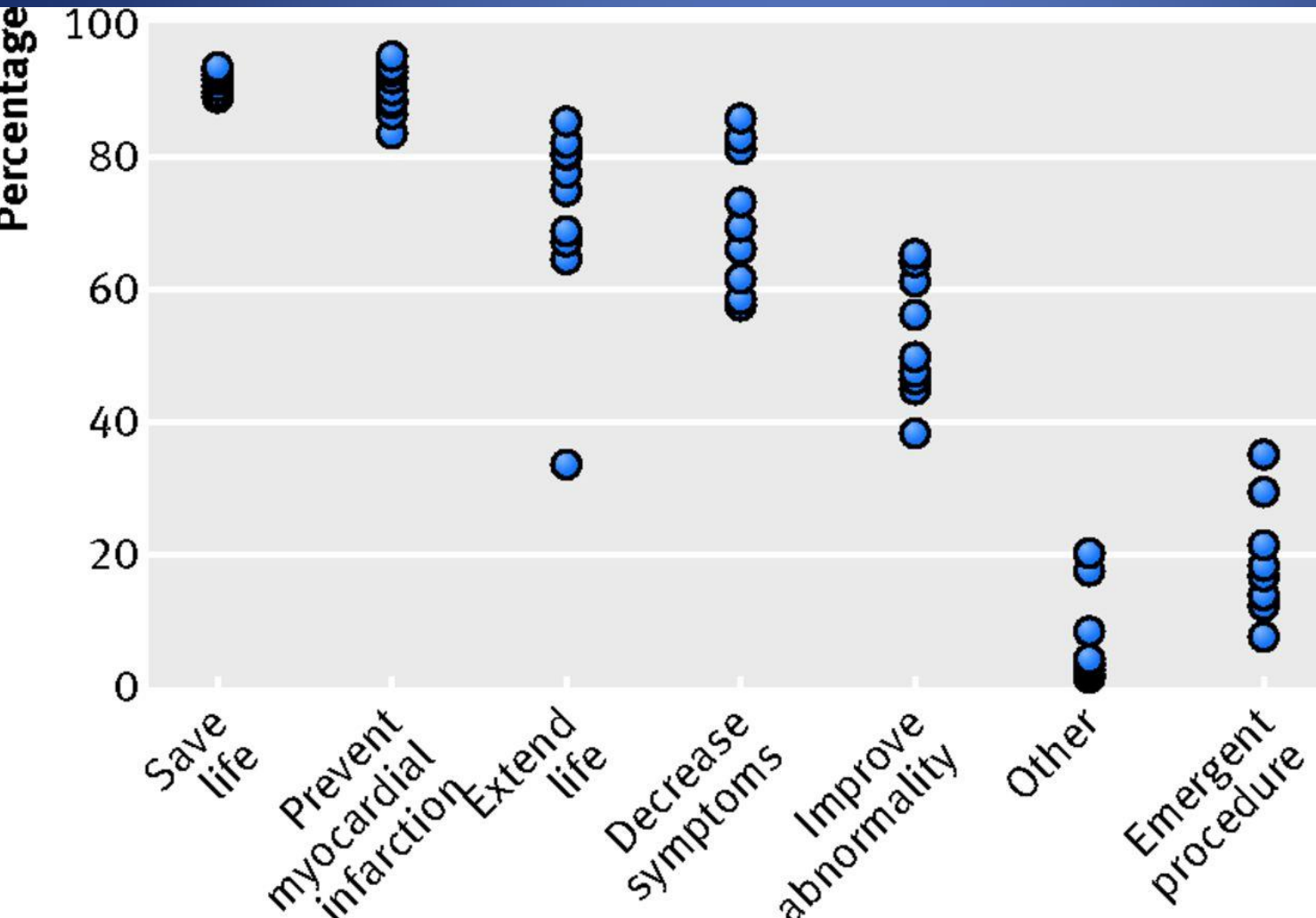
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Patient Beliefs Concerning Percutaneous Coronary Intervention (PCI) and Medication according to information given



- N=1257
- Pas gitt skriftlig 3 ulike informasjon

Proportion of patients with stable coronary artery disease with various perceptions of their elective PCI by site (n=10).



N=991 pat
10 academic
centers

Pasientene
intervjuet

Bjørn Jensen f 1943

Begge foreldre hjertesykdom

1983: påvist koronarsykdom

Operert med koronar by-pass. Ett venegraft LAD

T2DM 1994: glucosuri oppdaget i forb med prostataoperasjon

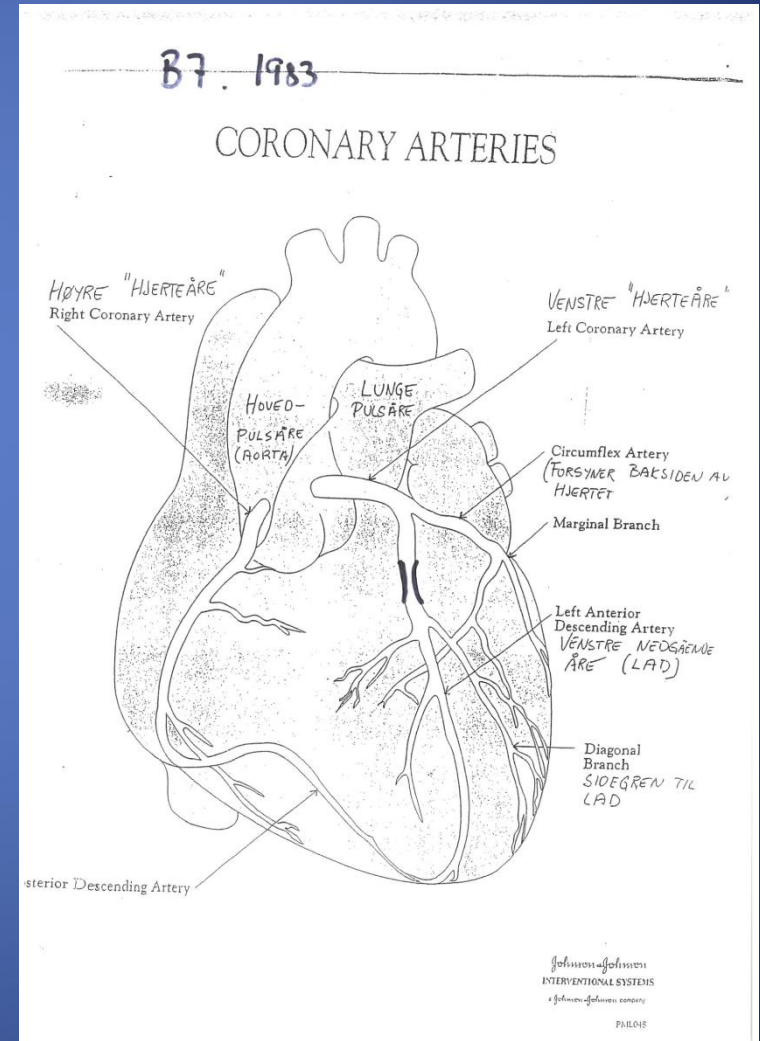
Start antidiabetika

Fra år 2000 forskningsprosjekt Aker

PCI 2011 av venegraft

PCI 2012 av venegraft

2015: kun koronar angi: veggforandringer



[https://www.mentimeter.com/s/3e9b33b3de
e6f1384631dfb722f42fd4/823f6a3a312c](https://www.mentimeter.com/s/3e9b33b3de
e6f1384631dfb722f42fd4/823f6a3a312c)

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