

The image features six anatomical illustrations arranged in a 2x3 grid. The top row shows a pancreas on the left, a kidney in the center, and another pancreas on the right. The bottom row shows a pancreas on the left, a kidney in the center, and another pancreas on the right. The pancreas is depicted as a yellowish, elongated organ with a red capsule and blue and red vessels. The kidney is shown as a brown, bean-shaped organ with a red capsule and blue and red vessels. A central white box with a black border contains the text.

**TRACTAMENT DEL BINOMI  
DIABETIS – HIPERTENSIÓ  
QUÈ PODEM FER?**



**KEEP  
CALM**

**i**

**BLOQUEJA  
EL SRAA**



# DE QUÈ PARLAR QUAN SEMBLA QUE JA ESTÀ TOT DIT?

- F
- S
- T
- C



# PRIMUM NON NOCERE





# Association between cardiovascular events and sodium-containing effervescent, dispersible, and soluble drugs: nested case-control study

Table 1| Examples of sodium content per tablet and maximum daily ingested sodium for selected sodium-containing formulations

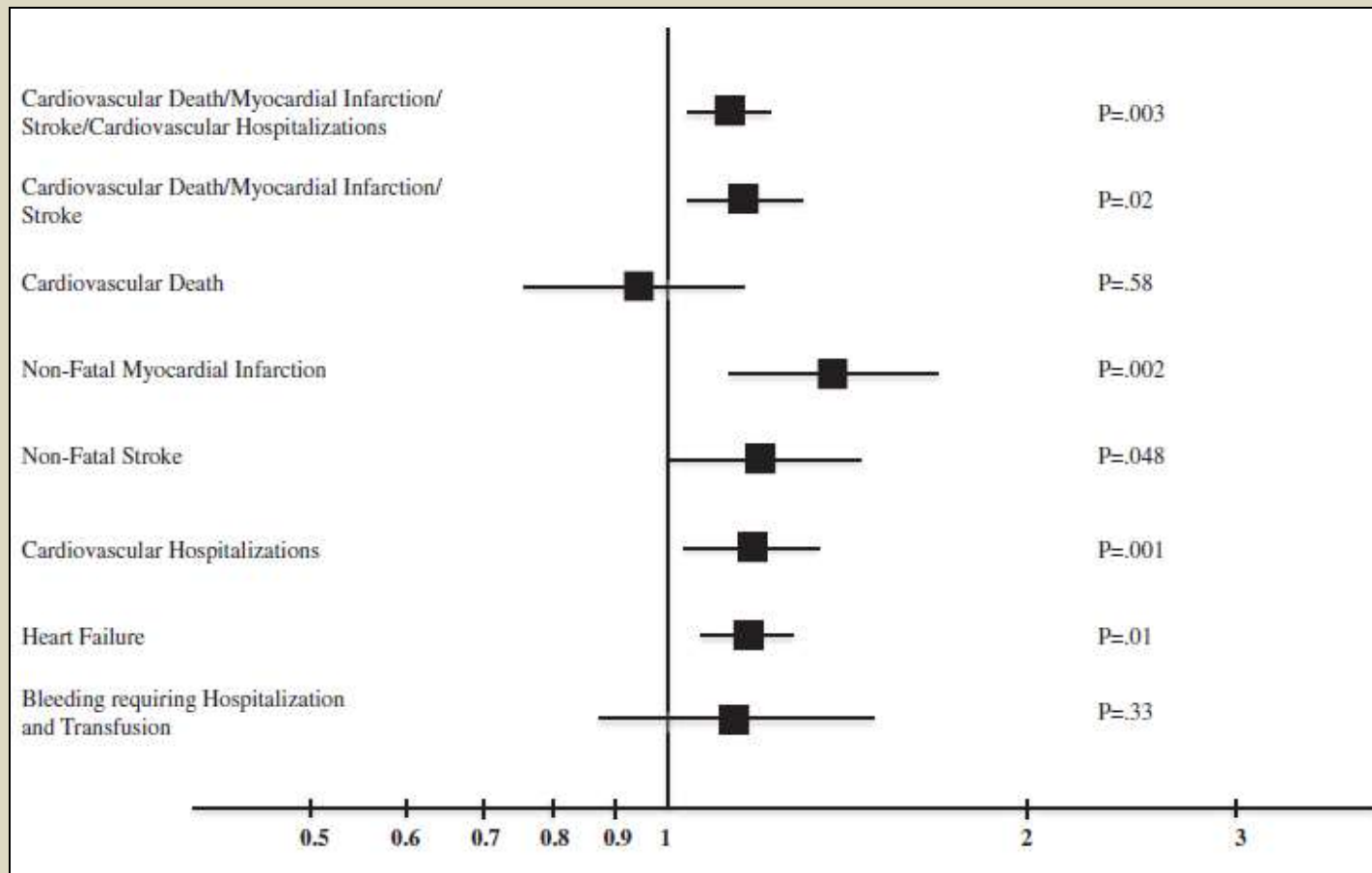
Formulation	Sodium content per tablet (mmol)	Maximum daily Na* (mmol/day)
Paracetamol soluble tablet 500 mg	0.6 (0.4 g)	148.8 (3,4 g)
Paracetamol with codeine phosphate effervescent	0.8	142.4



Vascular death	SODIO: 33 mg 1%	0.70 (0.31 to 1.59)
Hypertension		7.18 (6.74 to 7.65)
Heart failure	*Recomendación de Ingesta Diaria calculado con base en una dieta de 2000 kcal.	0.98 (0.93 to 1.04)
All cause mortality		1.28 (1.23 to 1.33)

\*Incident non-fatal myocardial infarction, incident non-fatal stroke, and vascular death.

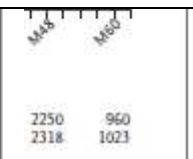
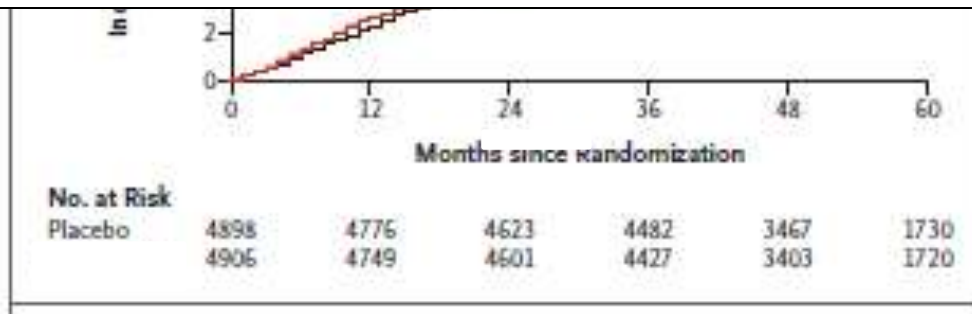
# NSAID Use and Association with Cardiovascular Outcomes in Outpatients with Stable Atherothrombotic Disease



# Quan perdre pes és perjudicial

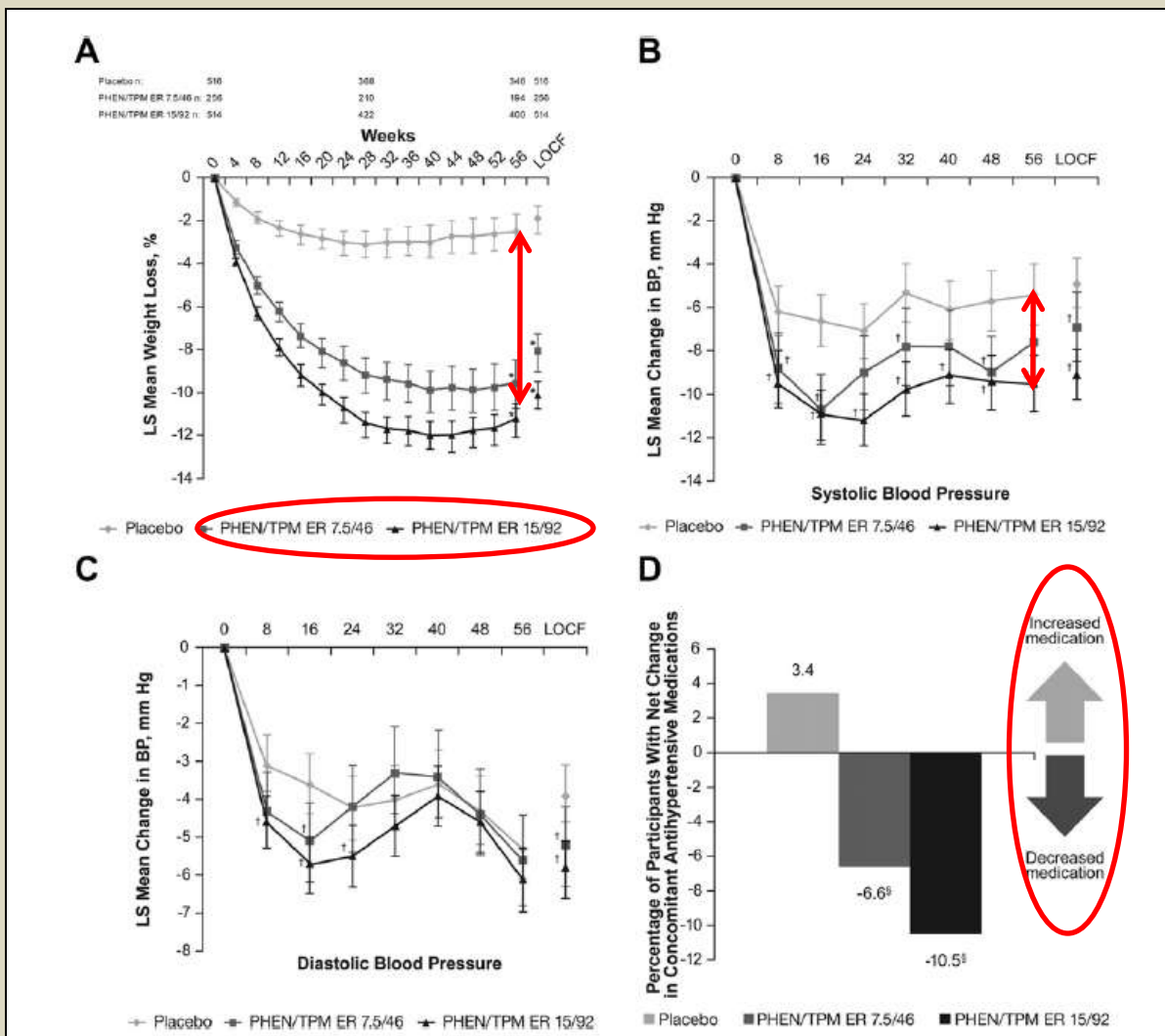


## Effect of Sibutramine on Cardiovascular Outcomes in Overweight and Obese Subjects



# Is cardiometabolic risk improved by weight-loss drugs?

www.thelancet.com Vol 376 August 21, 2010





# Is cardiometabolic risk improved by weight-loss drugs?

www.thelancet.com Vol 376 August 21, 2010

	Placebo	Naltrexone 16 mg plus bupropion	Naltrexone 32 mg plus bupropion	p value for comparison with placebo	
				Naltrexone 16 mg plus bupropion	Naltrexone 32 mg plus bupropion
<b>Systolic blood pressure (mm Hg)</b>					
Baseline	119.0 (9.8)	119.5 (9.9)	118.9 (9.9)	..	..
Change	-1.9 (-2.7 to -1.2)	0.3 (-0.5 to 1.1)	-0.1 (-0.9 to 0.7)	<0.0001	0.0008
<b>Diastolic blood pressure (mm Hg)</b>					
Baseline	77.3 (6.6)	76.6 (7.2)	77.1 (7.2)	..	..
Change	-0.9 (-1.4 to -0.3)	0.1 (-0.5 to 0.7)	0.0 (-0.5 to 0.6)	0.0150	0.0217

Lancet 2010; 376: 595-605

# Combined Angiotensin Inhibition for the Treatment of Diabetic Nephropathy

**Table 3. Safety Outcomes.\***

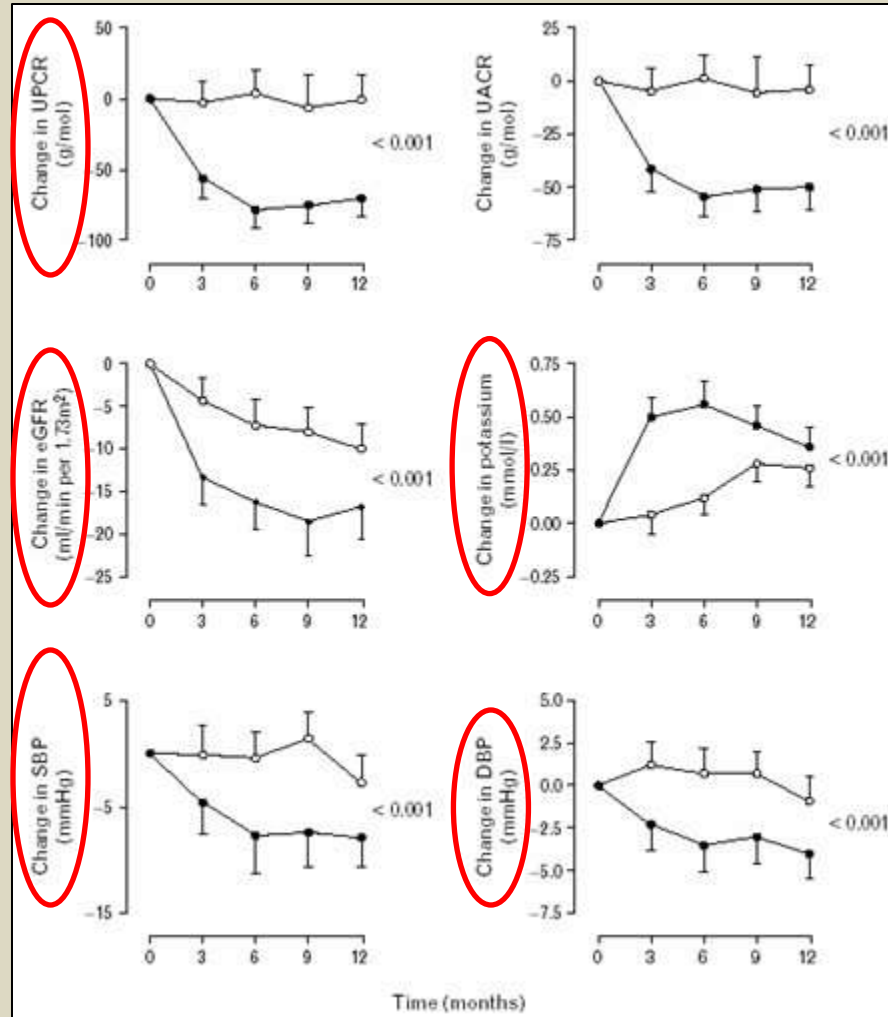
Outcome	Losartan plus Placebo (N=724)	Losartan plus Lisinopril (N=724)	Hazard Ratio with Losartan plus Lisinopril (95% CI)	P Value
Patients with serious adverse events — no. (%)	380 (52.5)	416 (57.5)	NA	0.06
No. of serious adverse events	1274	1539†	NA	
Attribution of serious adverse events to study drugs — no. of events (%)†				0.049
Not attributed	1159 (91.0)	1365 (88.7)	NA	
Possibly attributed	104 (8.2)	146 (9.5)	NA	
Attributed	11 (0.9)	27 (1.8)	NA	
Acute kidney injury — no. of patients (%)	80 (11.0)	130 (18.0)	1.7 (1.3–2.2)	<0.001
Hyperkalemia — no. of patients (%)	32 (4.4)	72 (9.9)	2.8 (1.8–4.3)	<0.001

# Cardiorenal End Points in a Trial of Aliskiren for Type 2 Diabetes

**Table 3.** Most Commonly Reported Adverse Events and Study-Drug Discontinuation.\*

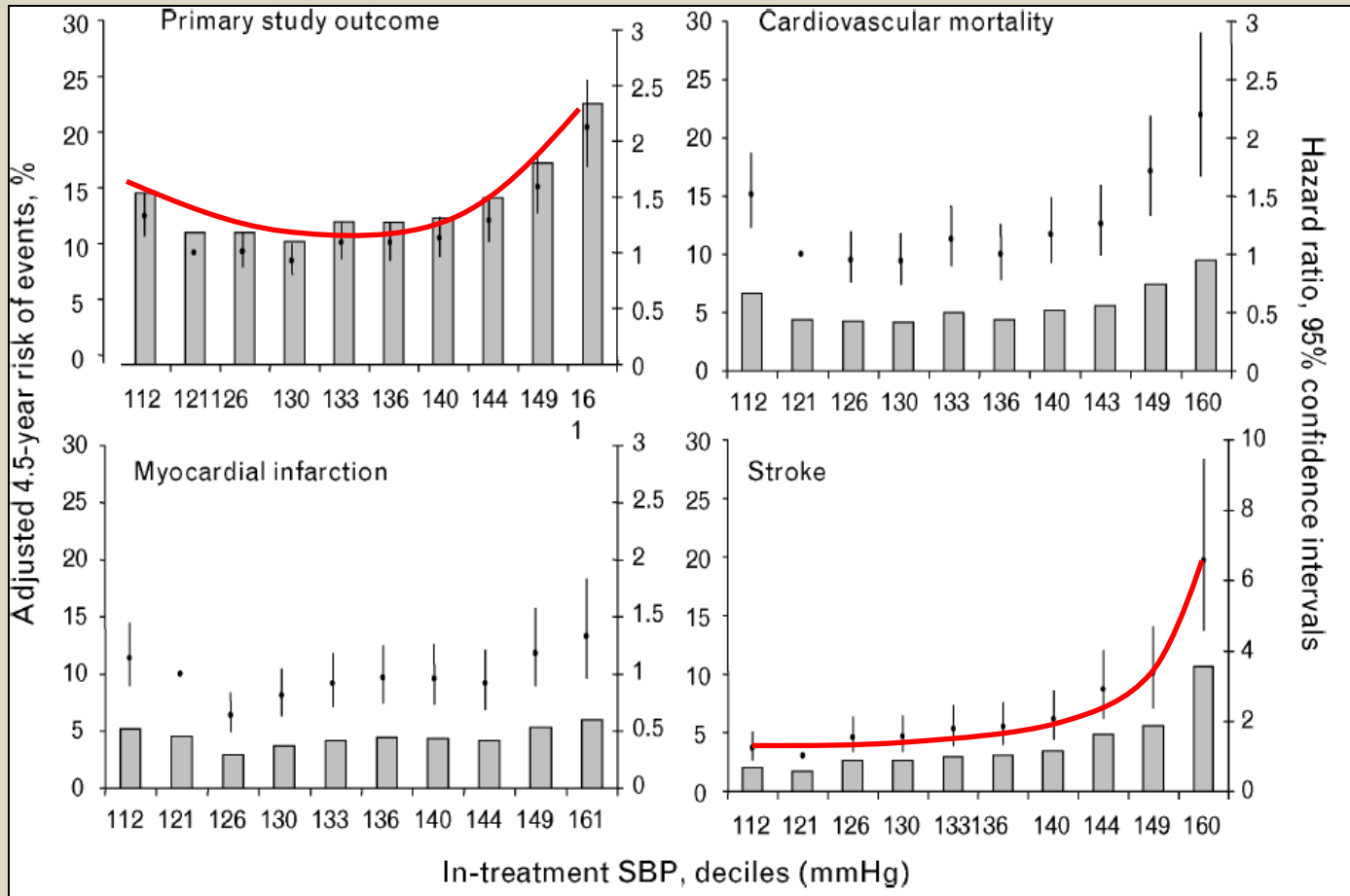
Event	Any Event Reported		P Value	Event Leading to Permanent Study-Drug Discontinuation		P Value
	Aliskiren (N=4272)	Placebo (N=4285)		Aliskiren (N=4272)	Placebo (N=4285)	
	<i>no. of patients (%)</i>			<i>no. of patients (%)</i>		
Hyperkalemia	1670 (39.1)	1244 (29.0)	<0.001	205 (4.8)	111 (2.6)	<0.001
Peripheral edema	686 (16.1)	706 (16.5)	0.60	11 (0.3)	7 (0.2)	0.34
Hypotension	519 (12.1)	357 (8.3)	<0.001	28 (0.7)	13 (0.3)	0.02
Diarrhea	417 (9.8)	312 (7.3)	<0.001	11 (0.3)	7 (0.2)	0.34
Hypertension	429 (10.0)	469 (10.9)	0.17	3 (0.1)	9 (0.2)	0.15
Renal impairment	418 (9.8)	371 (8.7)	0.07	65 (1.5)	54 (1.3)	0.30

# ... i la ESPIRONOLACTONA?





# HOW LOW?



# HOW LOW?

2014

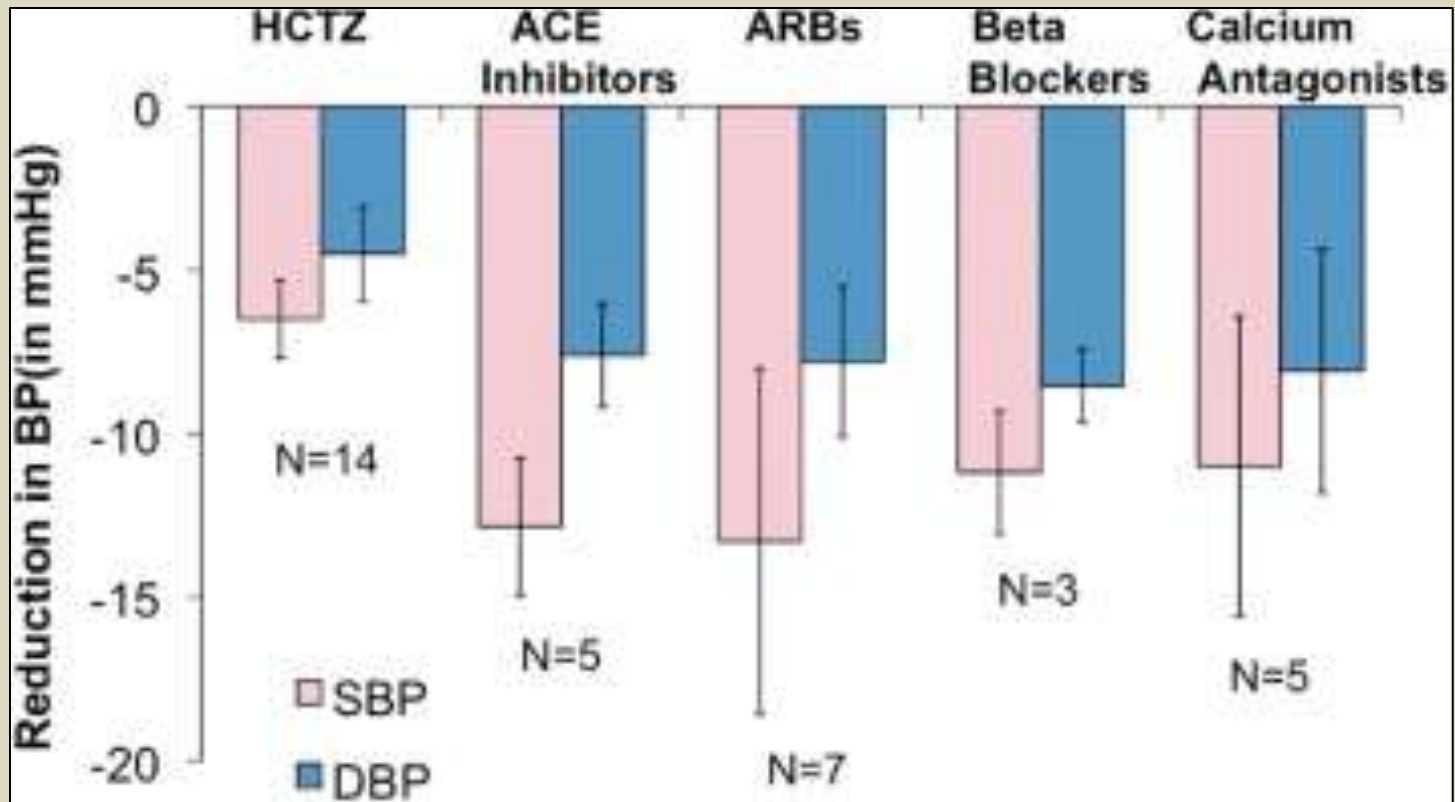
## Goals

- People with diabetes and hypertension should be treated to a systolic blood pressure (SBP) goal of **<140 mmHg. B**
- Lower systolic targets, such as <130 mmHg, may be appropriate for certain individuals, such as younger patients, if it can be achieved without undue treatment burden. **C**
- Patients with diabetes should be treated to a diastolic blood pressure (DBP) **<80 mmHg. B**

# SECUNDO VALET



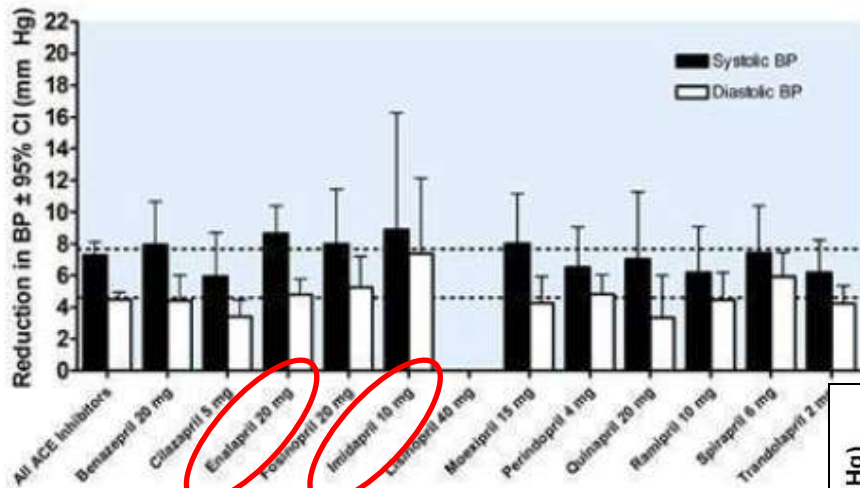
# EFICACIA HIPOTENSORA



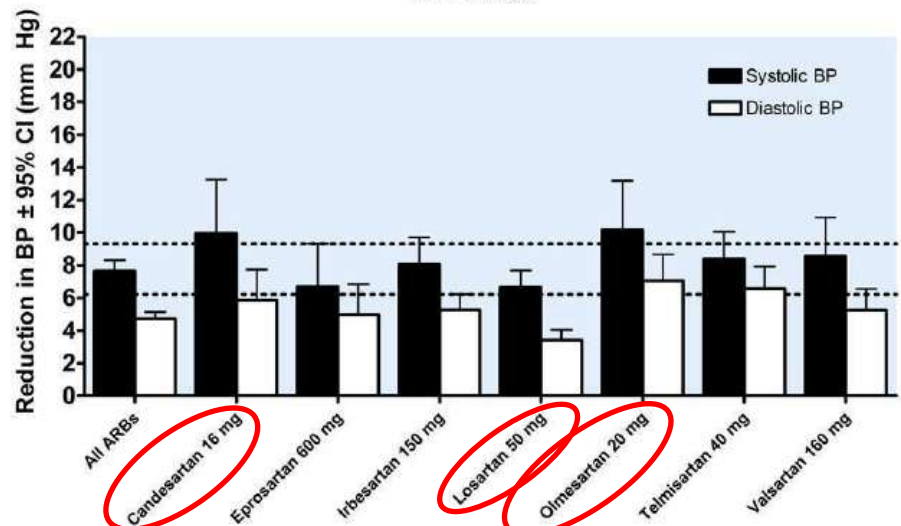


# Blood pressure lowering efficacy of angiotensin converting enzyme (ACE) inhibitors for primary hypertension (Review)

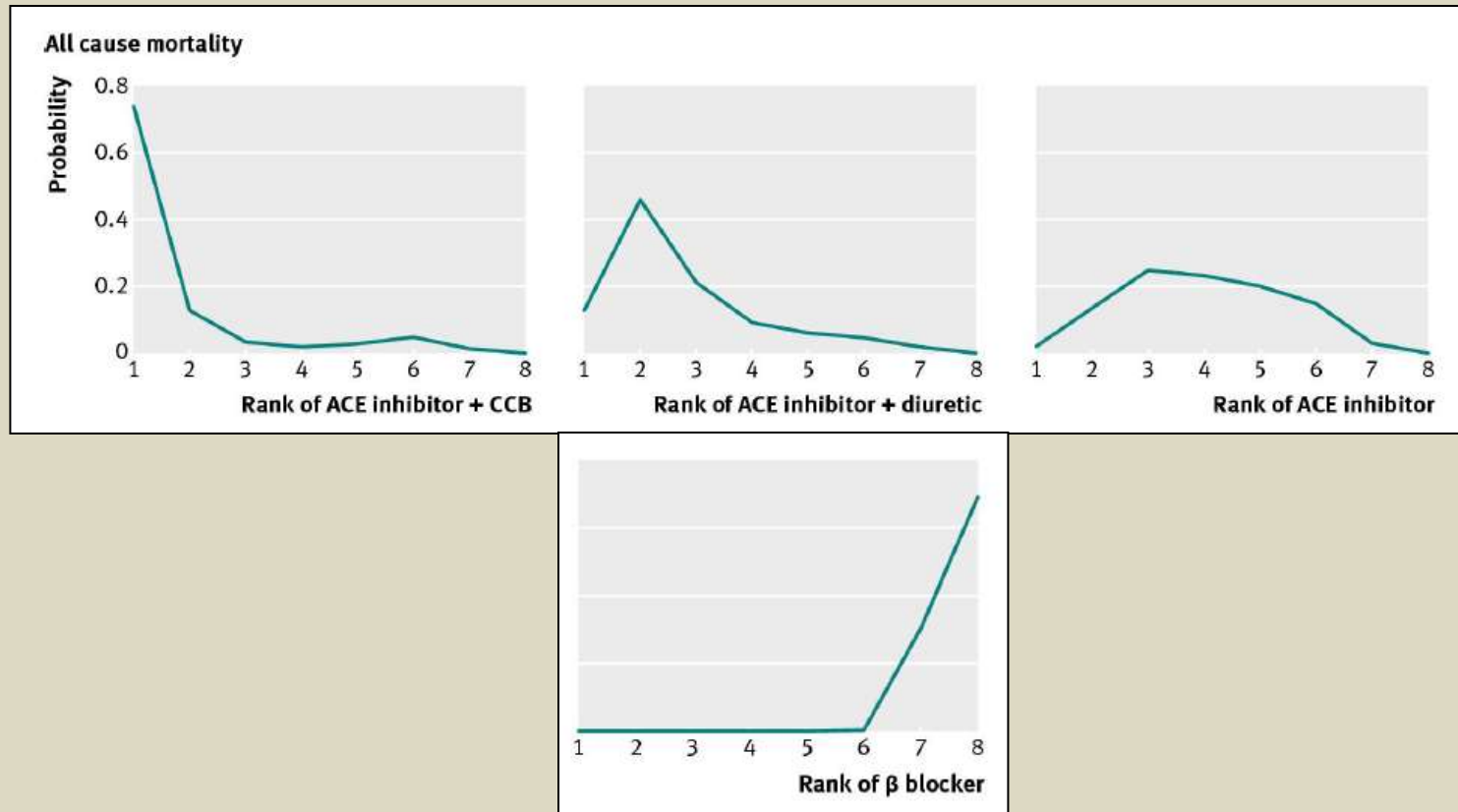
1/2 Max



1/2 Max

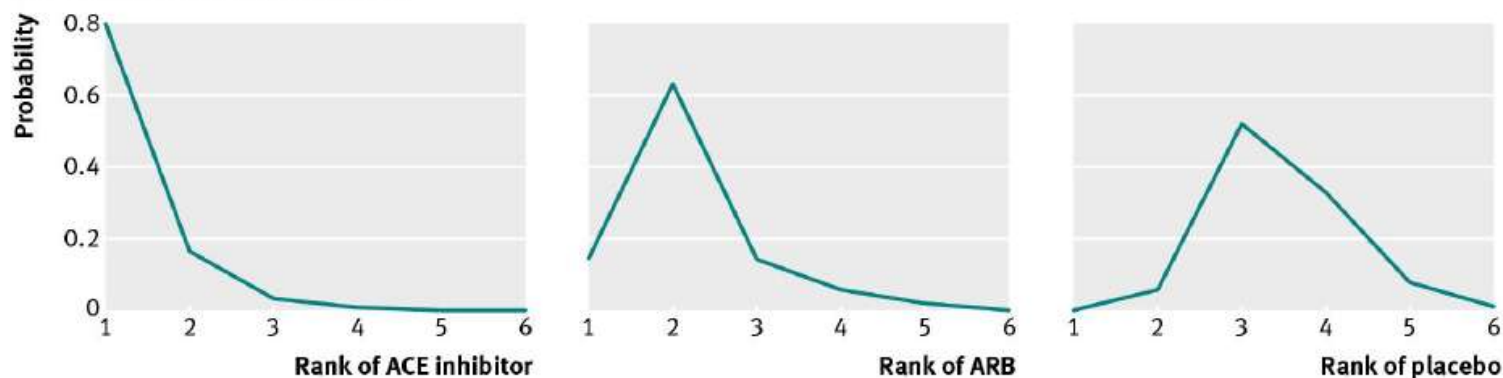


# Comparative effectiveness of renin-angiotensin system blockers and other antihypertensive drugs in patients with diabetes: systematic review and bayesian network meta-analysis

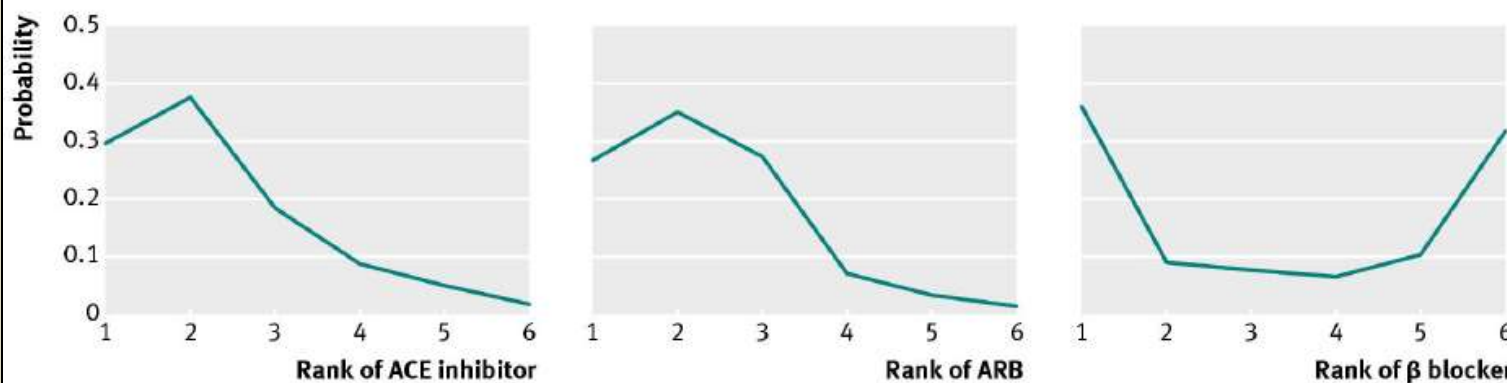


# Comparative effectiveness of renin-angiotensin system blockers and other antihypertensive drugs in patients with diabetes: systematic review and bayesian network meta-analysis

Doubling of serum creatinine levels

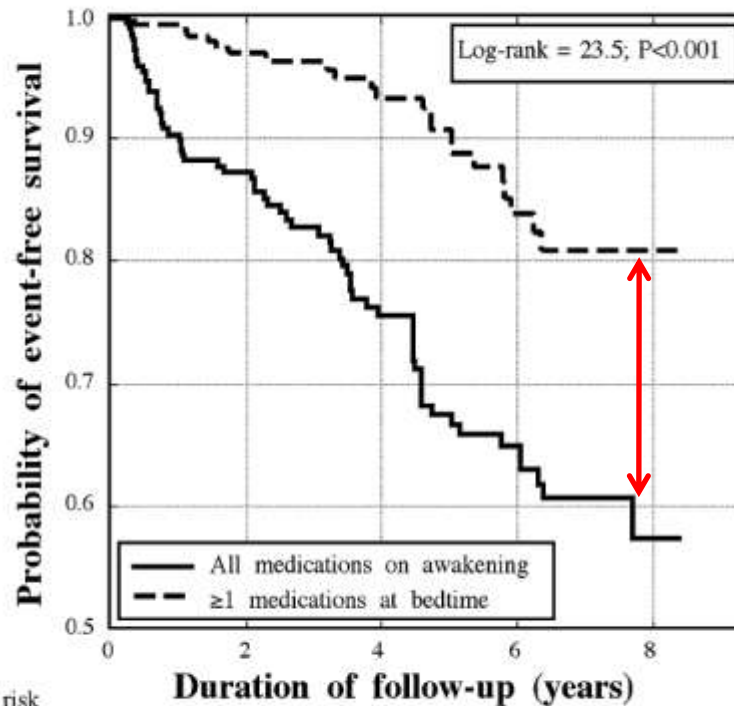


End stage renal disease



# Influence of Time of Day of Blood Pressure-Lowering Treatment on Cardiovascular Risk in Hypertensive Patients With Type 2 Diabetes

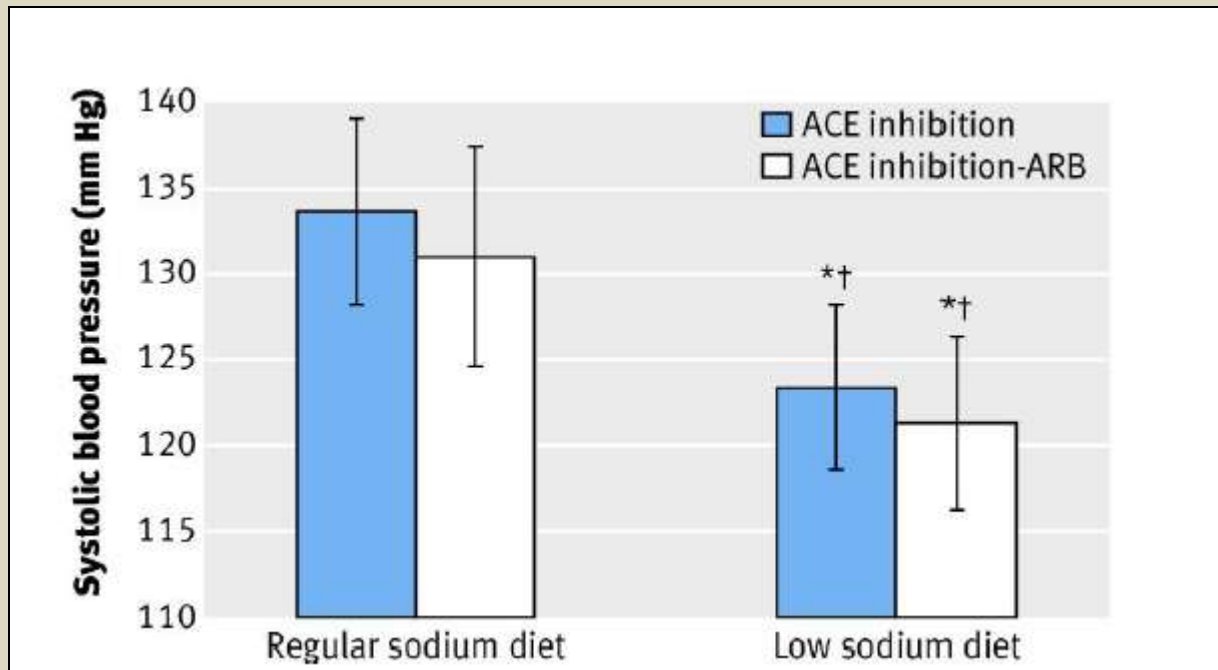
*Chronotherapy and cardiovascular risk in diabetes*



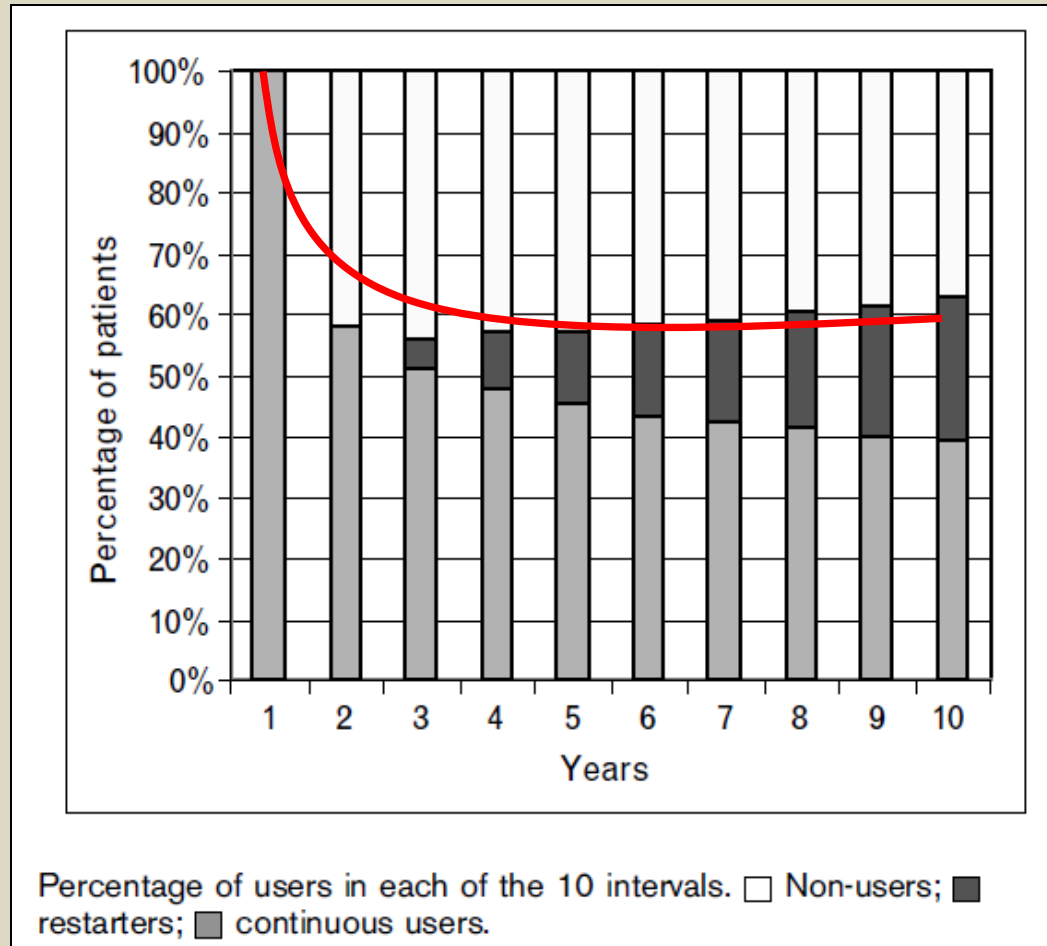
No. at risk	0	2	4	6	8
Awakening	232	198	119	76	
Bedtime	216	206	124	77	



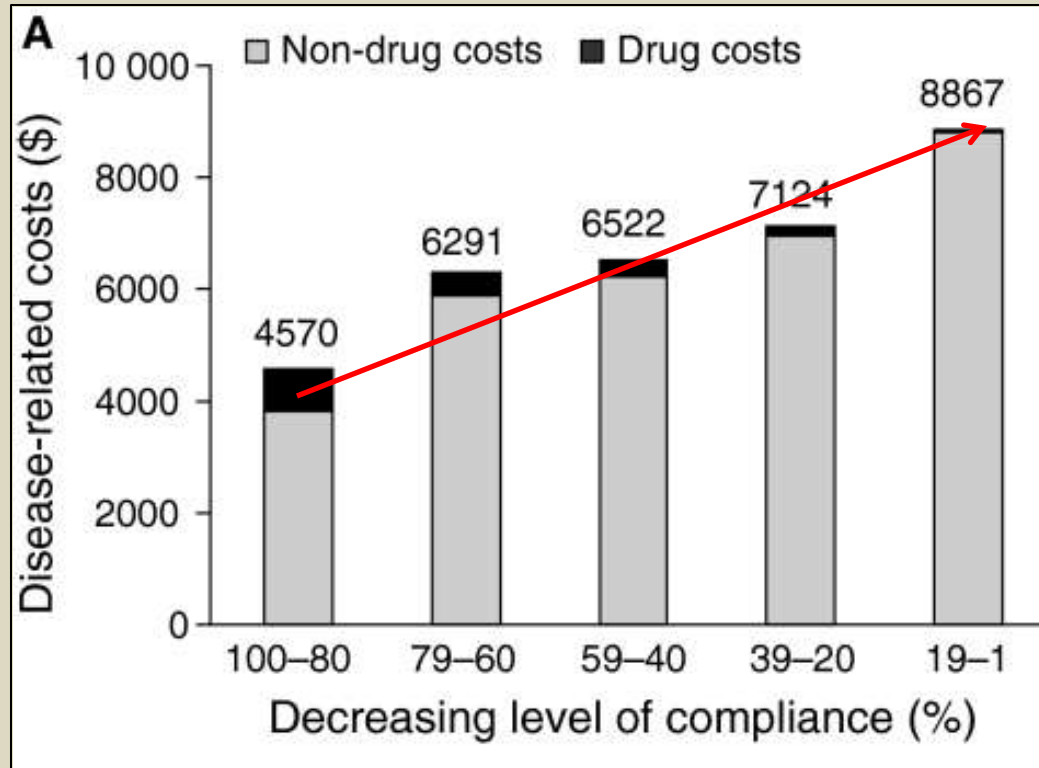
# Moderate dietary sodium restriction added to angiotensin converting enzyme inhibition compared with dual blockade in lowering proteinuria and blood pressure: randomised controlled trial



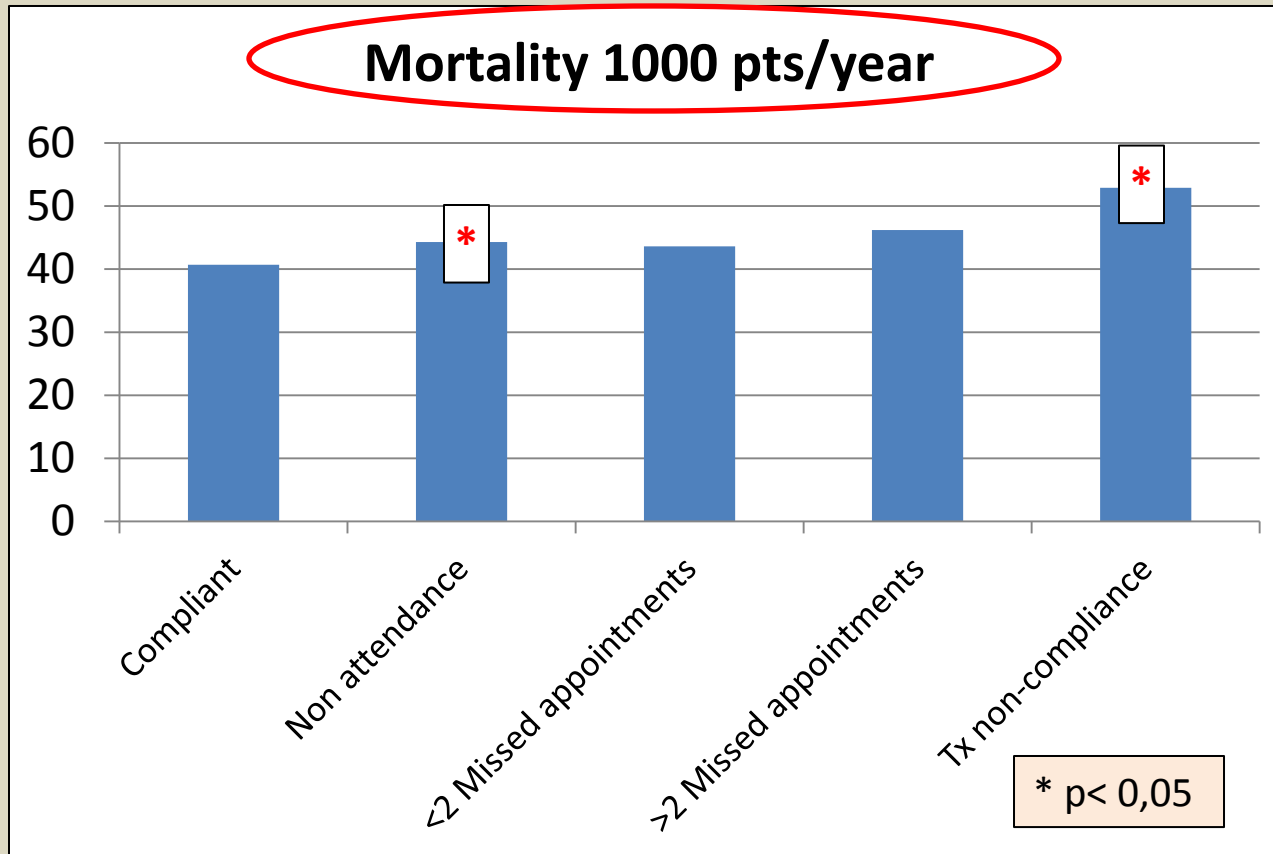
# El compliment és un problema



# ...que incrementa els costos



# ...i empitjora el pronòstic





# millorant l'adherència el paper del farmacèutic

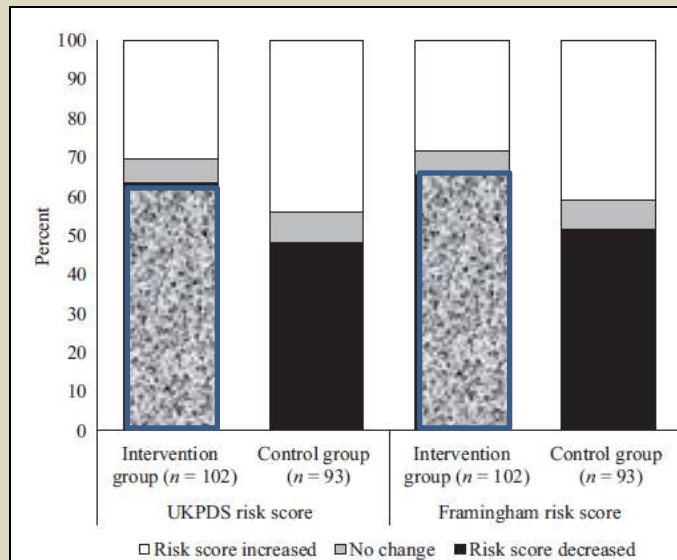


FIGURE 2 Proportion of patients with risk score changes from baseline.

Table 3 Changes to UK Prospective Diabetes Study (UKPDS) risk score attributable to individual risk factors

	Intervention group (n = 102)	Control group (n = 93)	P-value*
One-year value used			
HbA <sub>1c</sub>	0.1 (2.2)	-0.3 (2.5)	0.24
Systolic blood pressure	-0.5 (1.6)	-0.2 (1.4)	0.12
Total cholesterol	-0.8 (3.5)	-0.0 (2.9)	0.065
HDL cholesterol	0.2 (2.7)	0.2 (2.0)	0.26
All four risk factors	-1.3 (3.6)	-0.4 (3.8)	0.032

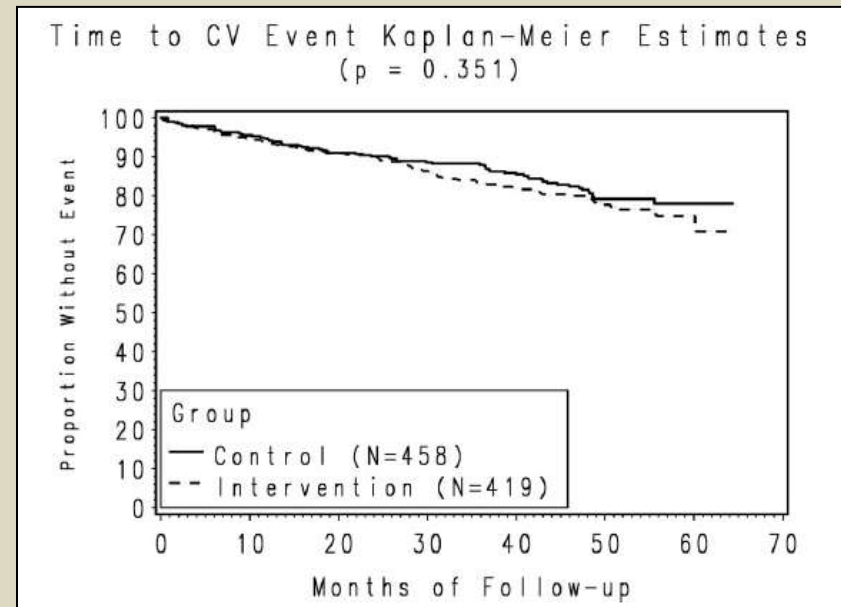
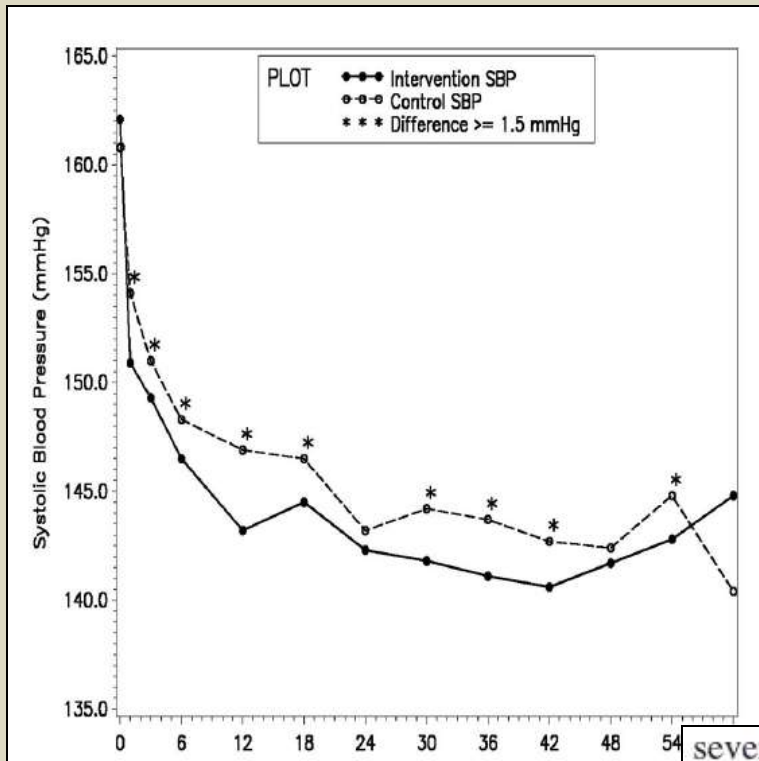
Change from baseline (1 year minus baseline) are presented as mean (standard deviation).

\*Mann-Whitney U-test for difference in change between groups.

Diabet. Med. 29, 1433–1439 (2012)

Between-group comparison at 8-month follow-up	Intervention Group % (n)	Control Group % (n)	Difference (95% CI)	P Value <sup>a</sup>
Systolic blood pressure control	54.5 (194)	45.5 (163)	9.0 (1.6-16.3)	0.017
Diastolic blood pressure control	71.6 (255)	70.4 (252)	1.2 (-5.4-7.9)	0.716
Blood pressure control <sup>b</sup>	52.5 (187)	43.0 (154)	9.5 (2.2-16.8)	0.011

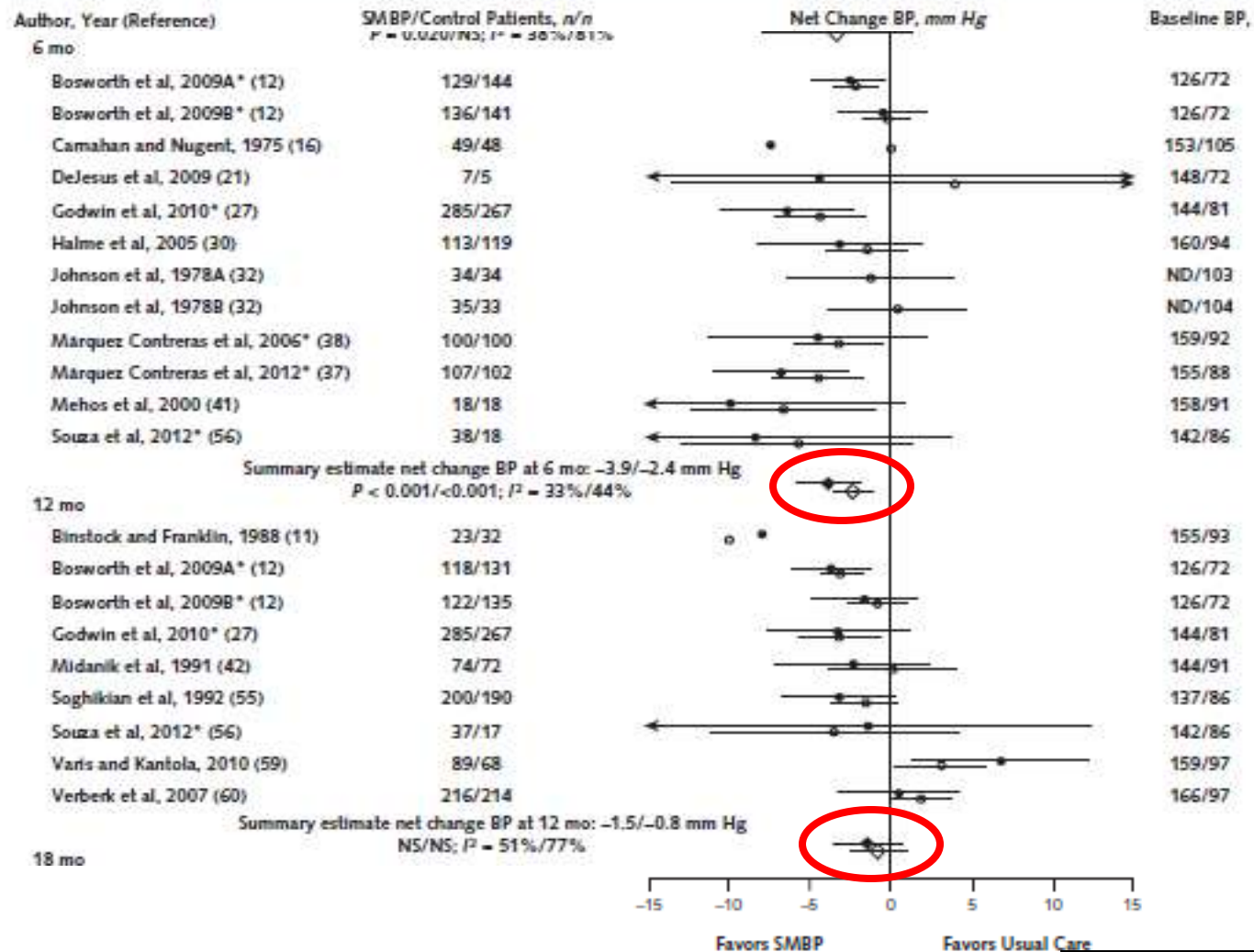
# millorant l'adherència l'abordatge multidisciplinar



severe hypertension. The intervention to improve adherence in the treatment group lasted 6 months and consisted of 3 main components: (1) The counting of pills during physician visits, (2) designation of a family member to support adherence behavior, and (3) provision of an information sheet to patients at the start of the intervention. Patients were supposed to bring back the information

# el paper de l'autocontrol

Figure 1. SMBP monitoring versus usual care for continuous clinic BP.



# Igual per tots els fàrmacs?

1100/

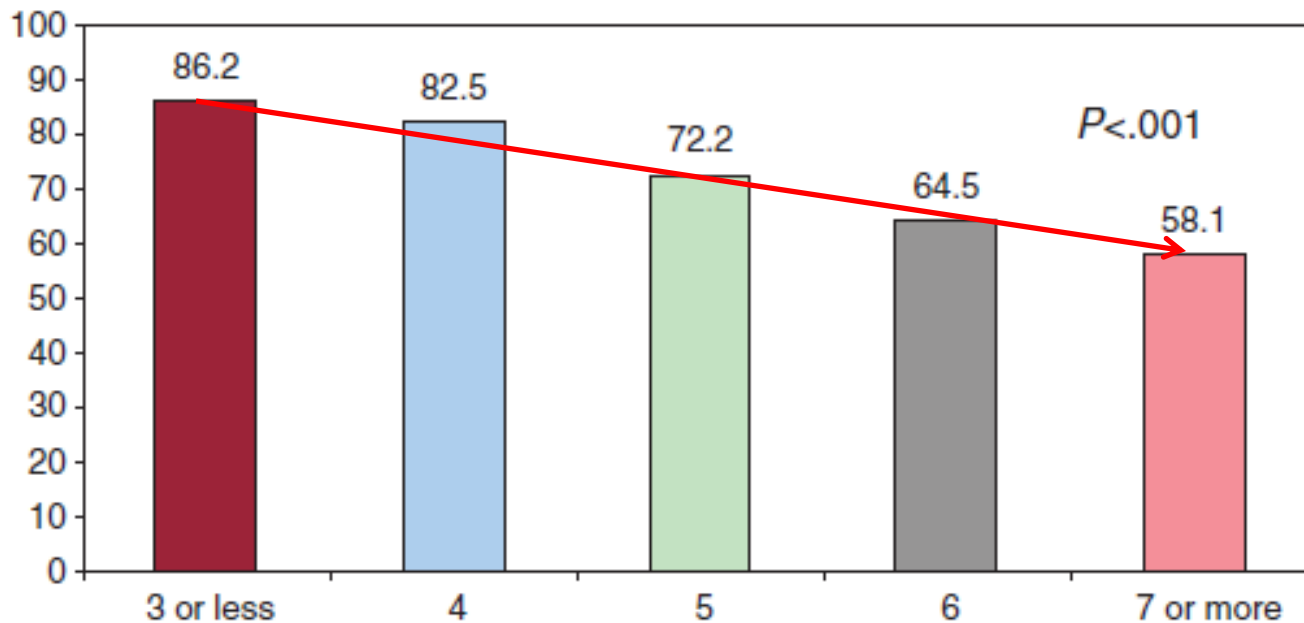
**Table 3** Patient and spouse themes regarding sexual function and adherence

Patient themes	Spouse themes
Sexual intercourse is a high priority	Sexual intercourse is a low priority
Decrease in the frequency of sexual intercourse is abnormal	Decrease in the frequency of sexual intercourse is normal
Seeking treatment for impotence	Discouraging patients from taking PDE-5 inhibitors
Selectively adhering to antihypertensive medications to preserve sexual function	Discouraging patients from skipping their antihypertensive medications

Patient Preference and Adherence 2008:2

calcium antagonists; —✕— alpha-blockers; —✱— diuretics; —●— beta-blockers.

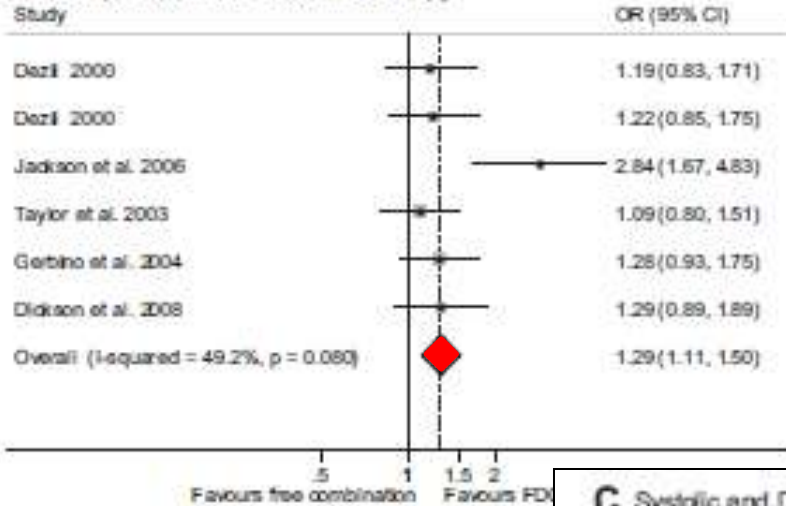
# El paper del nombre de comprimits



**Figure 2.** Percentage of compliers according to the number of tablets prescribed.

# ... i si el baixem?

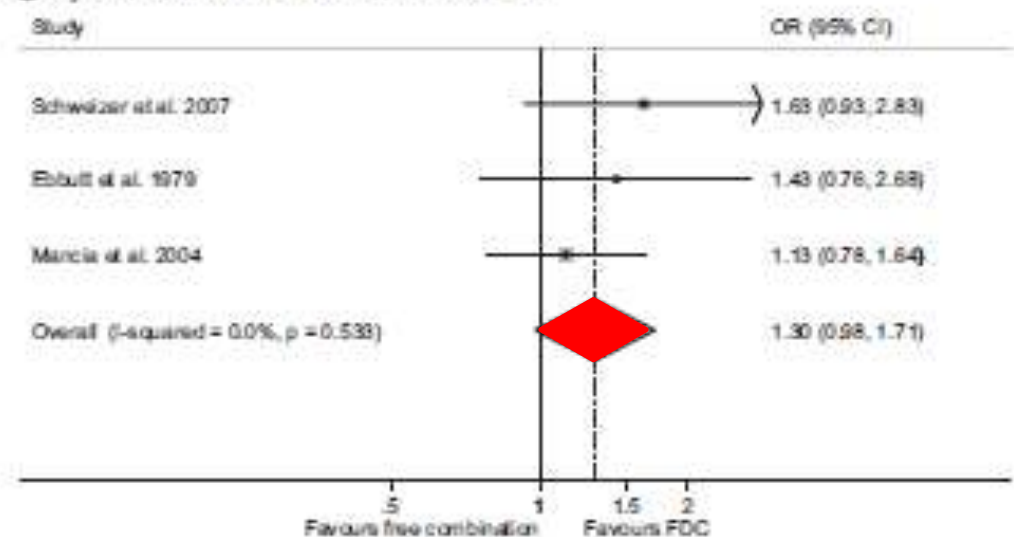
## C FDC and Compliance or Persistence with therapy



Compliment

Control  
tensional

## C Systolic and Diastolic BP normalization ratios

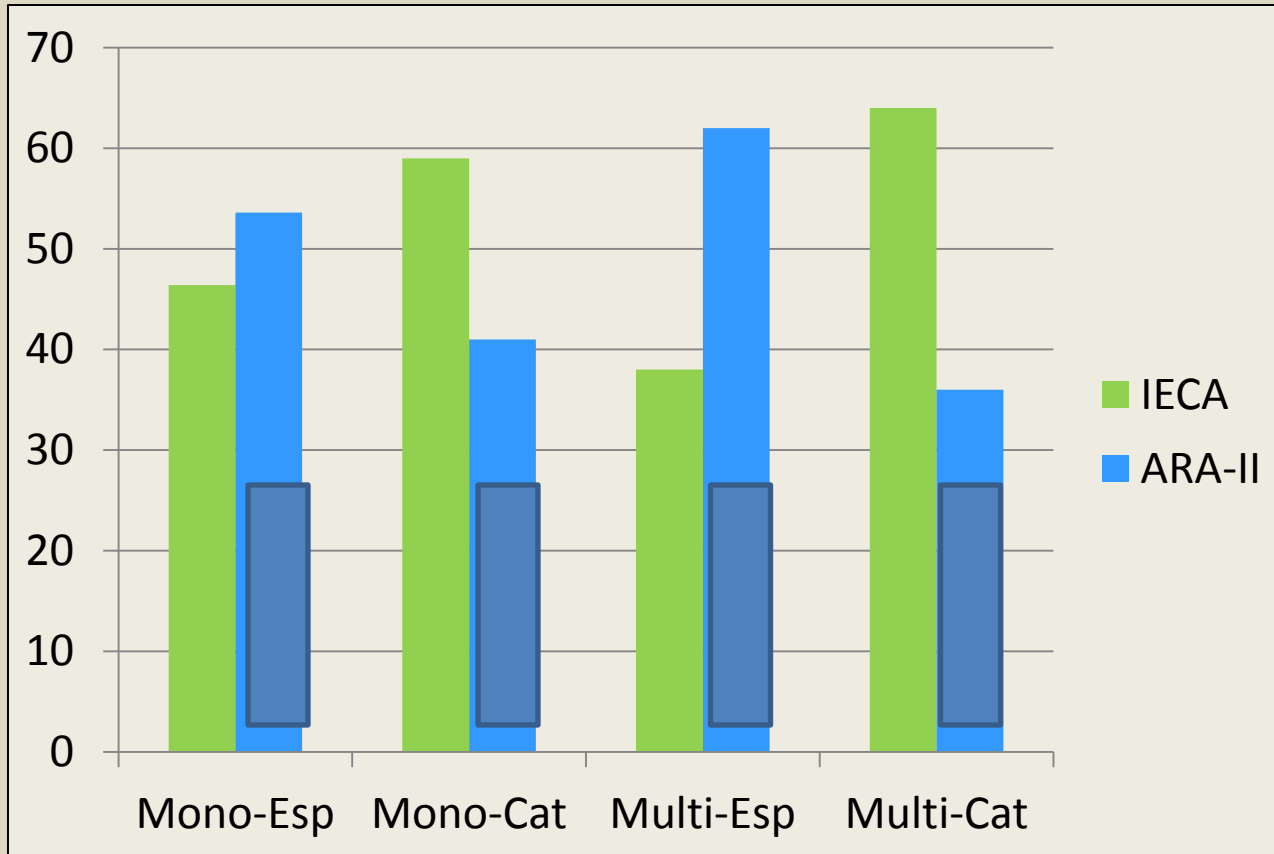




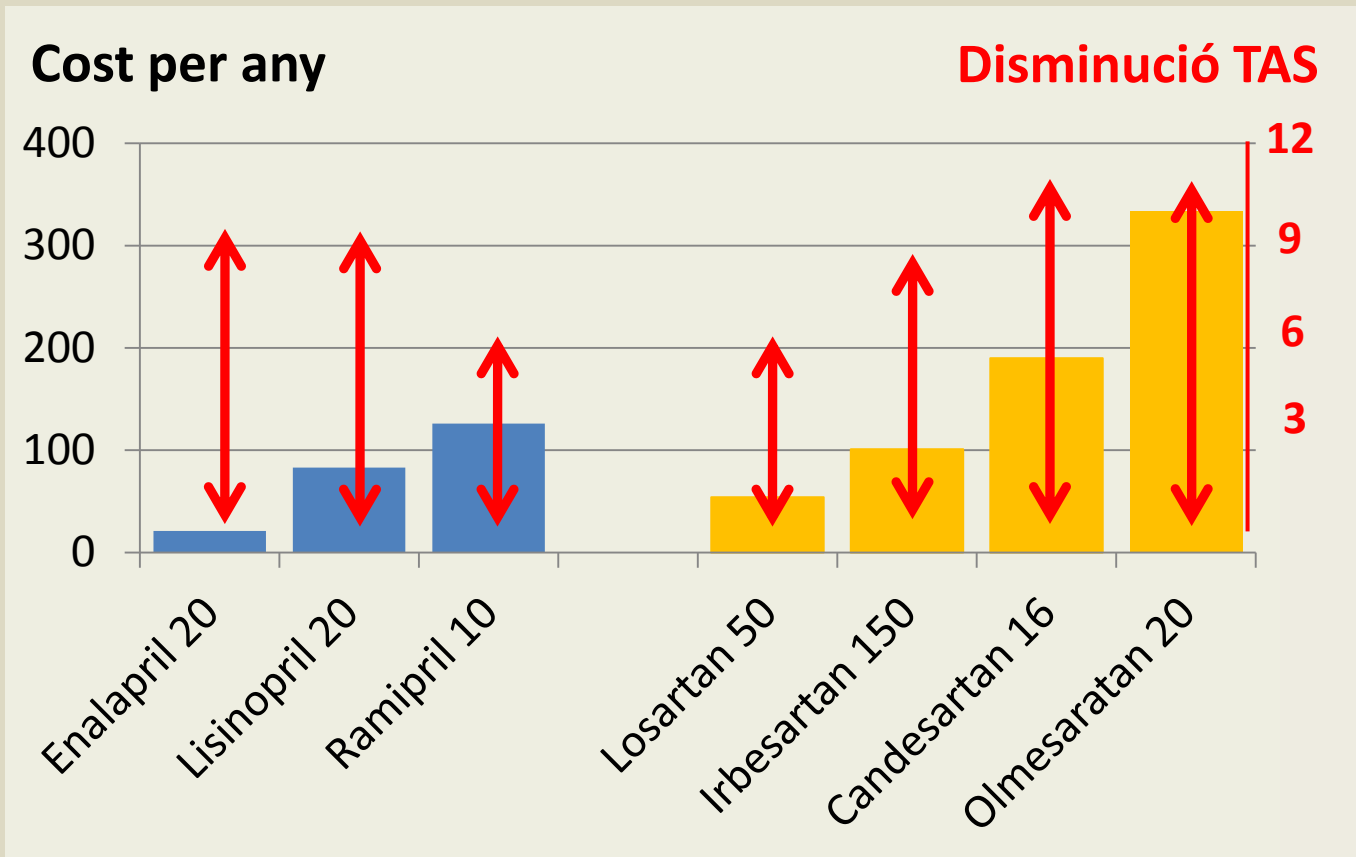
# TERTIO EFFICIENS



**... fer el màxim gastant el mínim...**

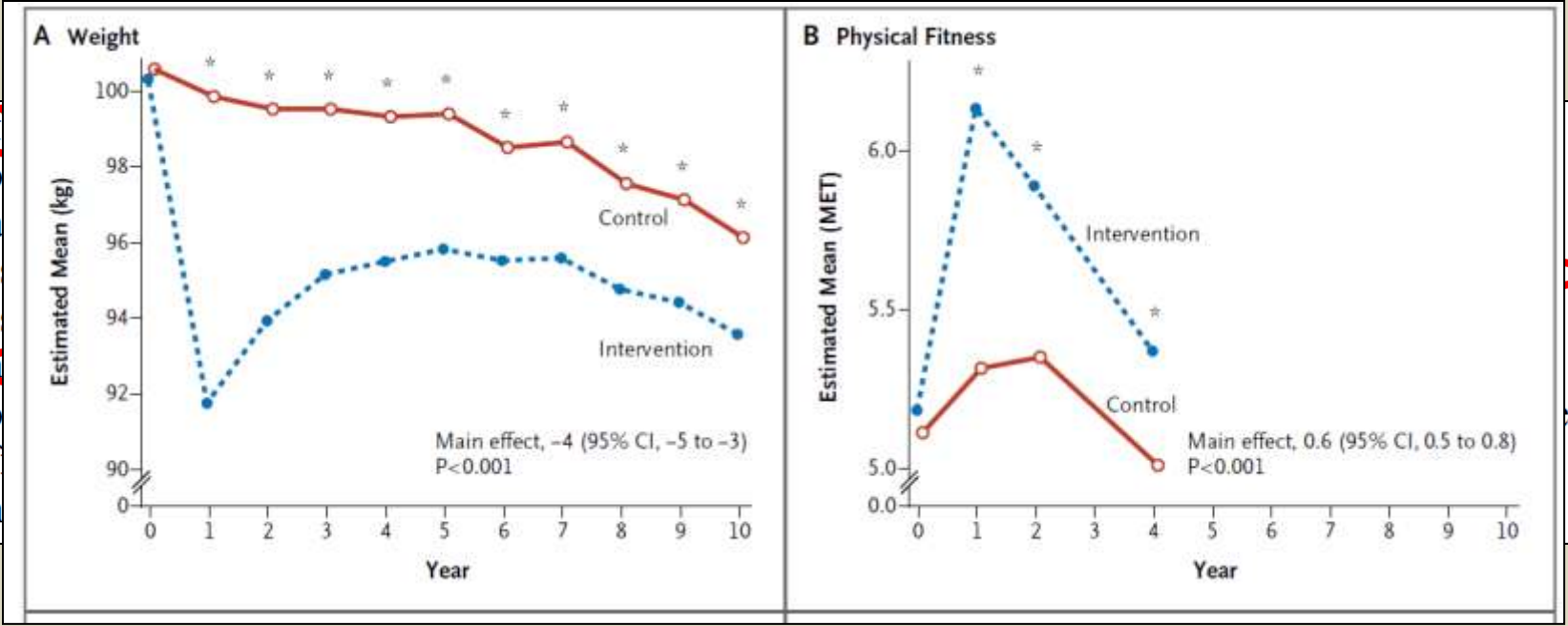


# ... fer el màxim gastant el mínim...



# ... i evitar la futilitat.

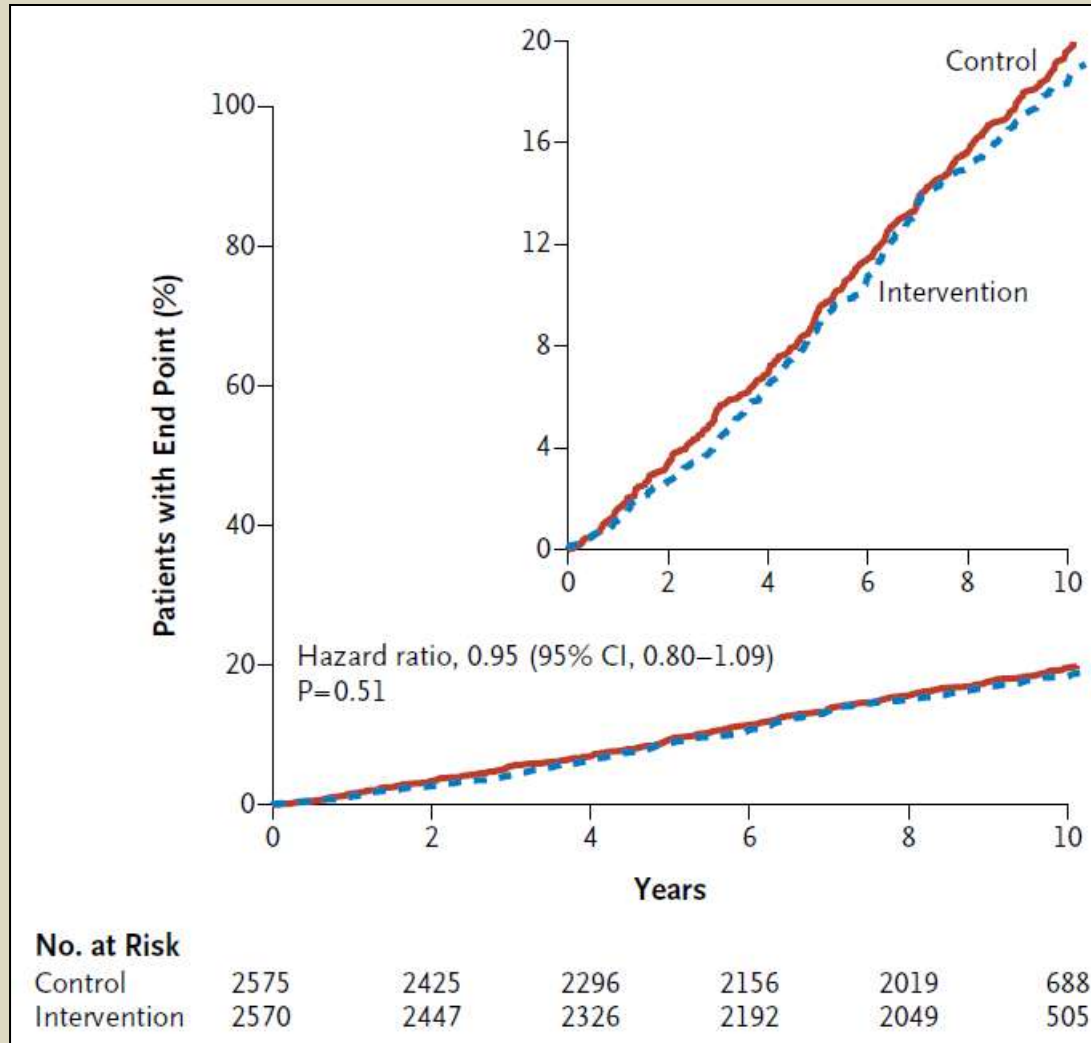
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an



The Look AHEAD Research Group\*

N Engl J Med 2013;369:145-54.

# ... i evitar la futilitat...



# QUARTA EXPLORAT





# La genòmica i la medicina del futur

Genetic risk scores  
for mortality & cv

Gene  
of tre

scores  
nsion

*Int. J. Mol. Sci.* **2009**, *10*, 247-291; doi:10.3390/ijms10010247

OPEN ACCESS

International Journal of  
**Molecular Sciences**

ISSN 1422-0067

www.mdpi.com/journal/ijms

Review

## The Capabilities of Chaos and Complexity

David L. Abel

Genetic risk of  
secondary effects

Genetic mapping of  
therapeutic targets

B Angiotensin-converting enzyme inhibitor

-log10(pval) for trend

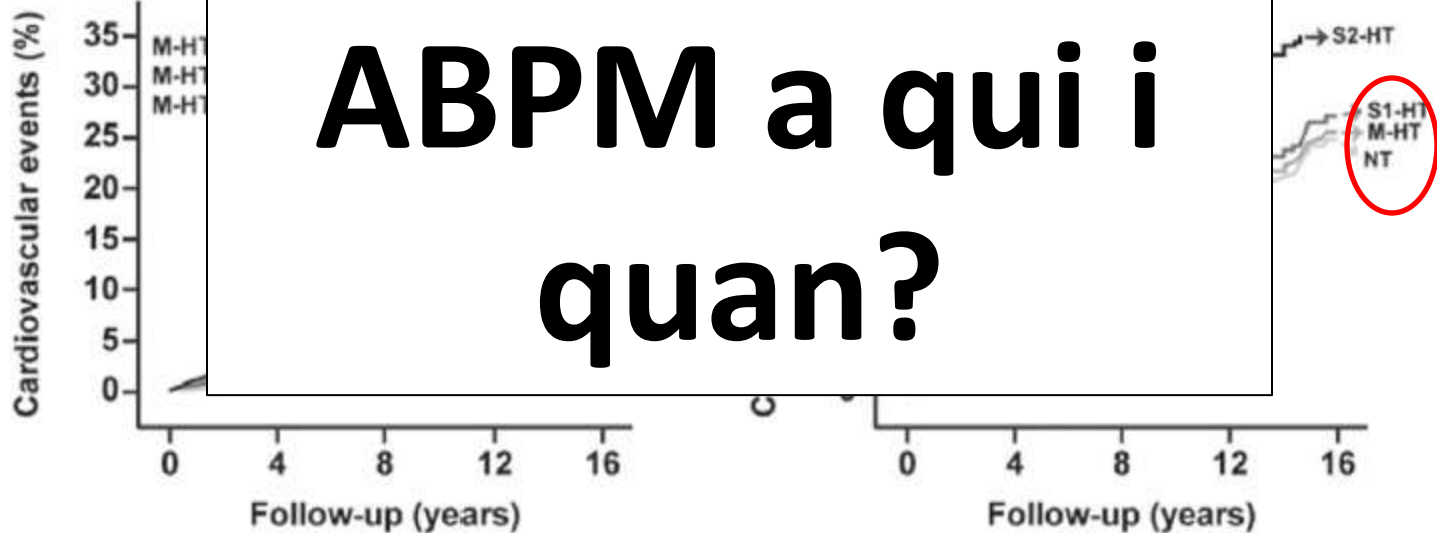
C Angioten

-log10(pval) for trend

Chromosome

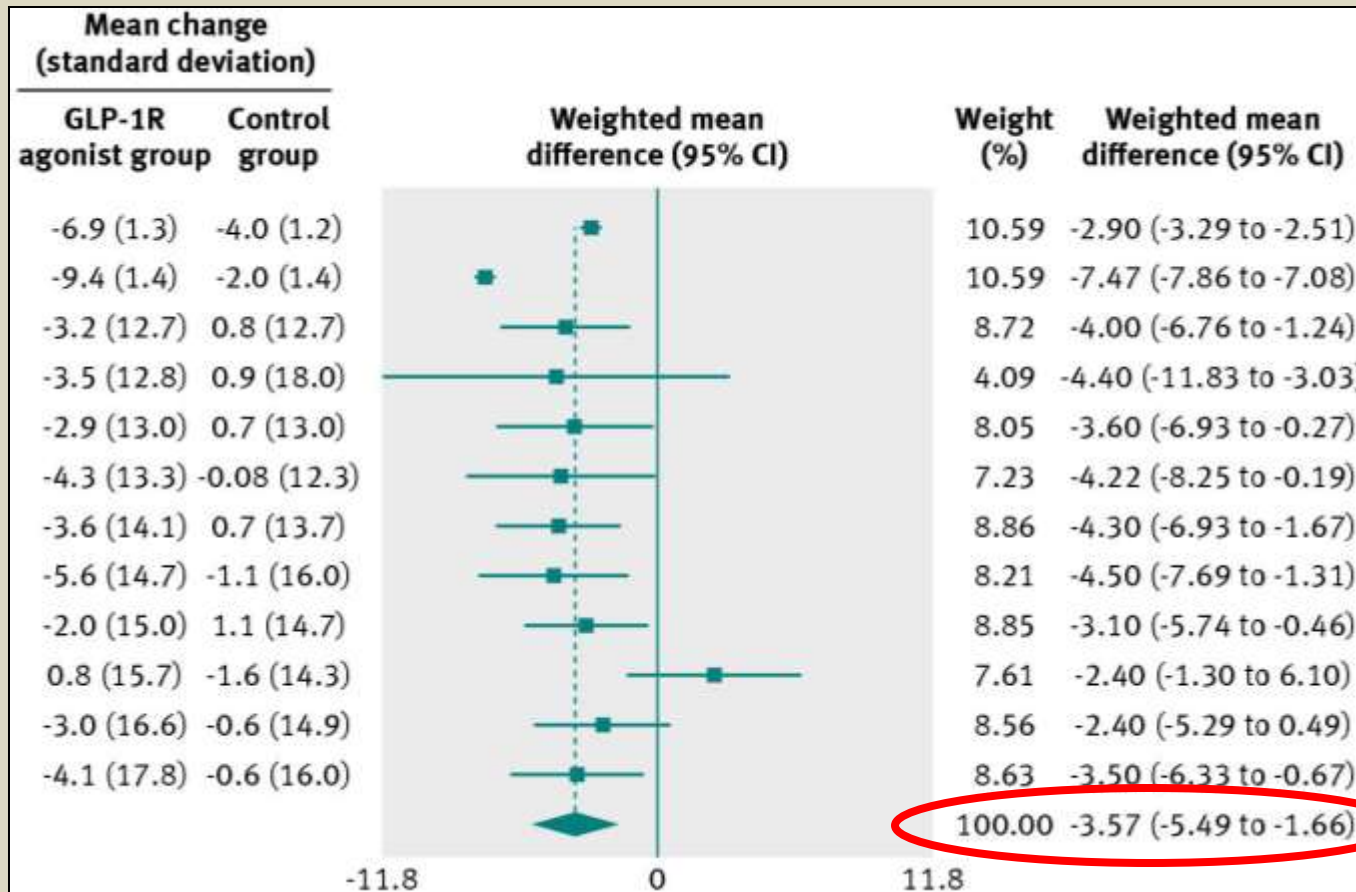
# a la recerca de la hipertensió oculta

**ABPM a qui i  
quan?**



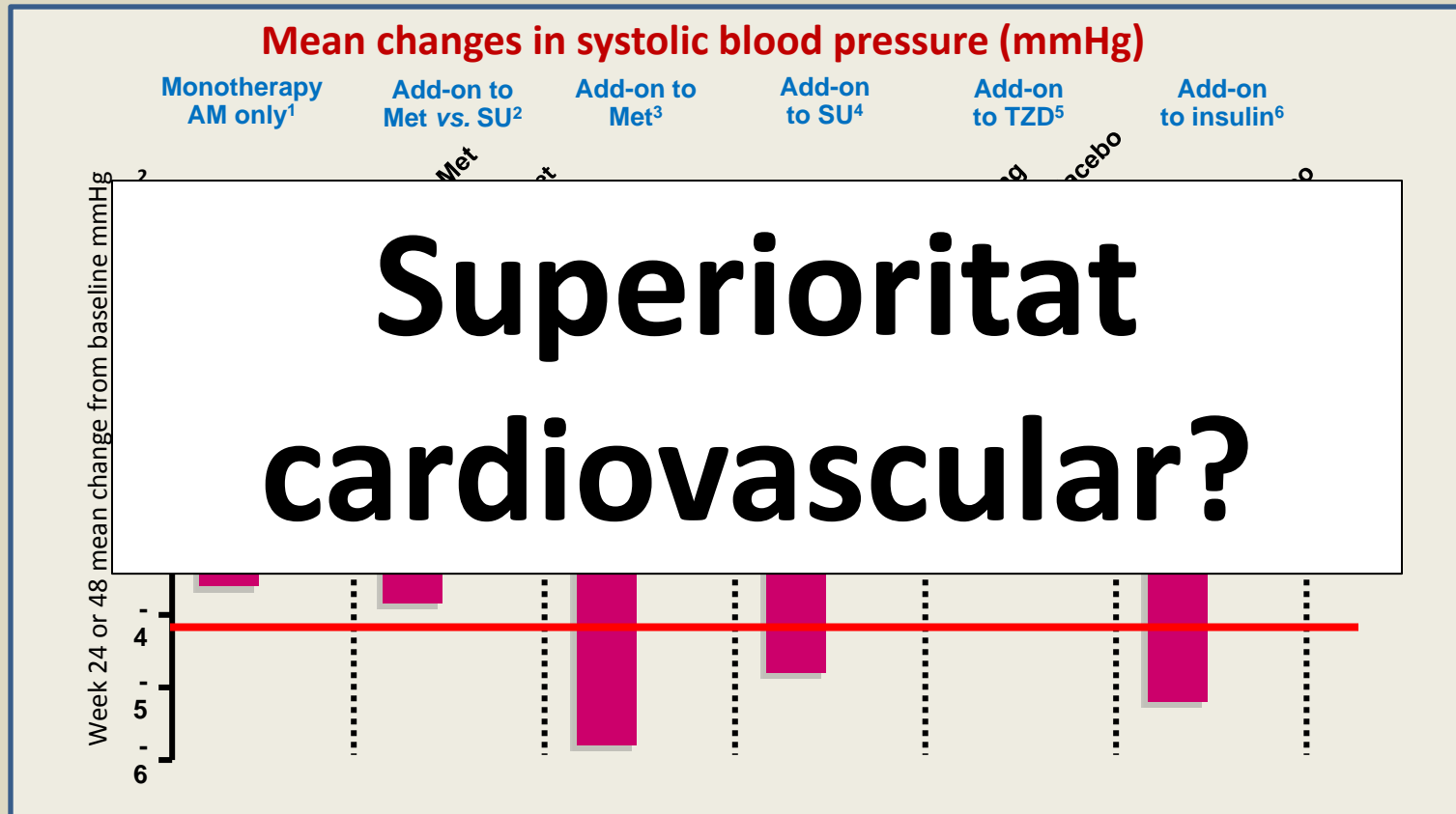
# nous fàrmacs i pressió arterial

## Anàlegs GLP-1



# nous fàrmacs i pressió arterial

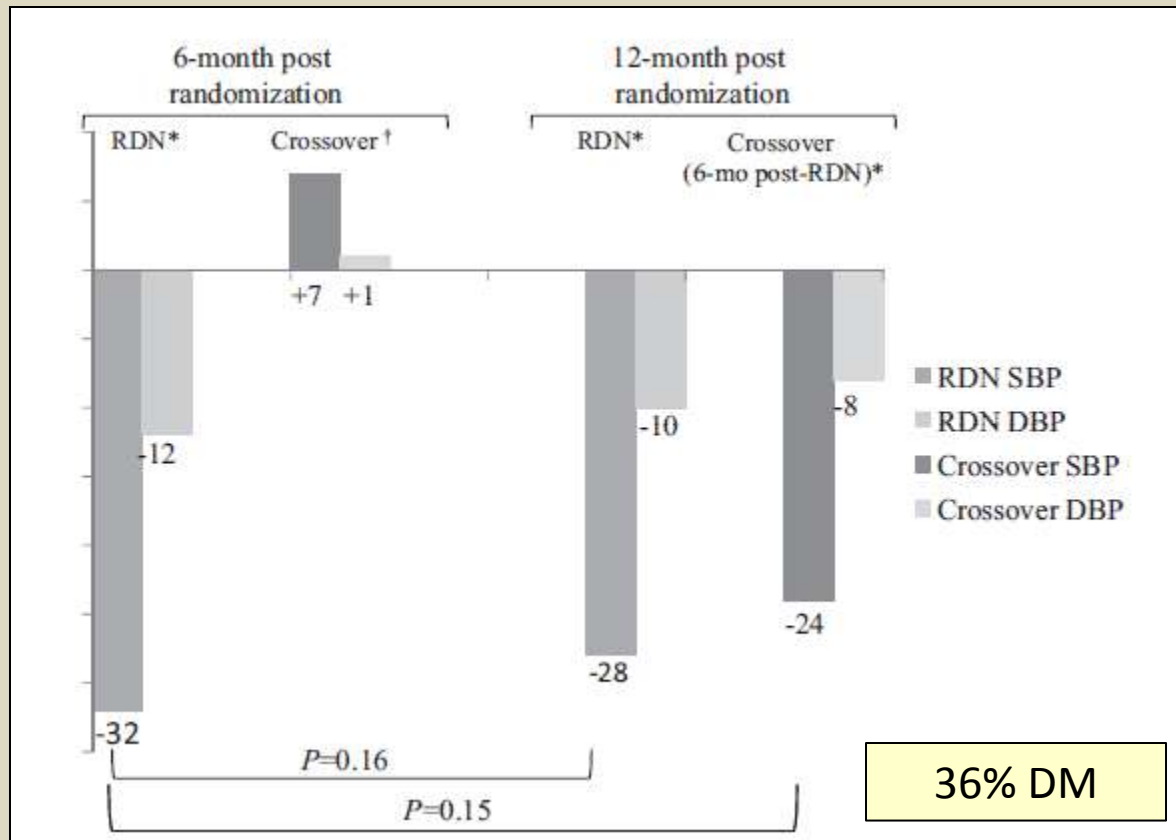
## Inhibidors SGLT-2



<sup>1</sup>*Diabetes Care* 2010;33:2217-2224; <sup>2</sup>*Diabetes Care* 2011;34:2015-22; <sup>3</sup>*Lancet* 2010;375:2223-33; <sup>4</sup>*Diabetes Obes Metab* 2011;13:928-38; <sup>5</sup> 71st ADA Scientific Sessions, San Diego, 24-28 June, 2011 [Abstract 0986-P]; <sup>6</sup>*Diabetes* 2010;59 (Suppl 1):A21-A22 [Abstract 0078-OR].

# noves tecnologies

## Denervació renal





AS HAPPY AS OUR FRIENDS, THE  
TOAST OF THE WHOLE VILLAGE, WHICH,  
THANKS TO THEM, HAS PRESERVED  
ITS HONOUR INTACT!

BUT WHAT I NEVER  
DID UNDERSTAND IS WHY  
ANYONE WOULD PUT MONEY  
IN THAT CAULDRON INSTEAD  
OF ONION SOUP IN THE  
FIRST PLACE!



**THE END**

LD5220  
GEENNY

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