

Terapia farmacologica dell'obesità

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Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults (NIH '98).

PHARMACOTHERAPY

- Weight loss drugs approved by FDA may be used as part of a comprehensive weight loss program for patients with BMI > 30, and for patients with a BMI > 27 with concomitant obesity-related risk factors or diseases.
- Evidence Category B.

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- Orlistat
- Sibutramina
- Rimonabant

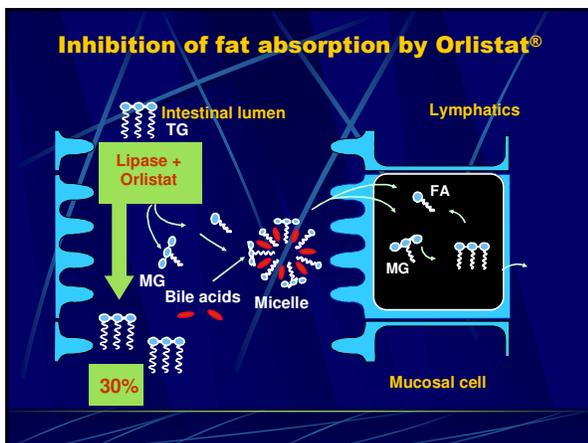
PUNTI FONDANTI DELLA MODERNA TERAPIA FARMACOLOGICA DELL'OBESITA'

- EFFETTO SUL MANTENIMENTO DELLA PERDITA DI PESO
- EFFETTO SUI DISTURBI METABOLICI ASSOCIATI
- EFFETTO SUGLI HARD-POINTS (MORTALITA' – MORBIDITA')

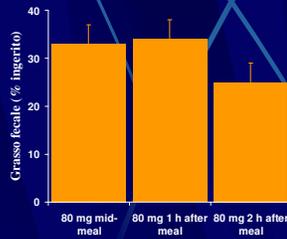
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Inhibition of fat absorption by Orlistat®

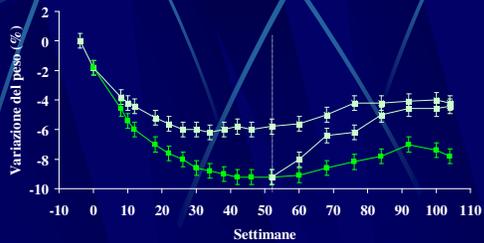


ORLISTAT: ESCREZIONE FECALE DI GRASSI IN RELAZIONE AL TEMPO DI ASSUNZIONE



Hartmann et al. *Br J Clin Pharmacol* 1993;36:266.

ORLISTAT: Effetto sulla perdita di peso e sul mantenimento a due anni.



Sjostrom et al. *Lancet* 1998;352:167

ORLISTAT: Ragioni di drop-out

	Placebo	Orlistat
Non cooperazione	7.3	3.2
Eventi avversi	2.6	6.7
Perso dal follow-up	6.1	2.9
Ragioni amministrative	2.6	1.4
Rifiuto del trattamento	2.9	0.9
Fallimento	2.0	0.6
Altro	0.6	2.0
TOTALE	24.1 %	17.7 %

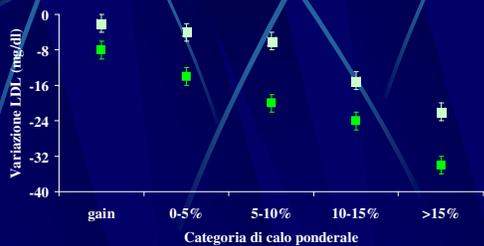
Sjostrom et al. *Lancet* 1998;352:167

ORLISTAT: Controllo glicemico in pazienti obesi con DM tipo 2

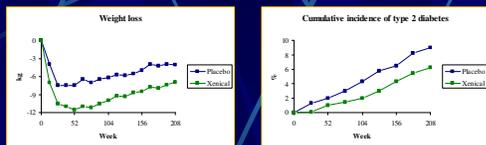
$\Delta\%$	Placebo	Orlistat	P
Dose ADO	-9.1%	-22.8%	0.019
Glicemia	8.2%	0.7%	<0.001
HbA1c	0.2%	-0.3%	<0.001
HbA1c (>8%)	-0.1%	-0.5%	<0.001

Hollander et al. Diabetes Care 1998;21:1288

ORLISTAT: Effetto specifico sulle LDL a parità di calo ponderale.



XENICAL in the prevention of diabetes in obese subjects (XENDOS) study



Placebo + Lifestyle (N. 1637): Weight loss = -4.1 kg. Cumulative incidence of type 2 diabetes = 9.0 %.
 Xenical + Lifestyle (N. 1640): Weight loss = -6.9 kg. Cumulative incidence of type 2 diabetes = 6.2 %.

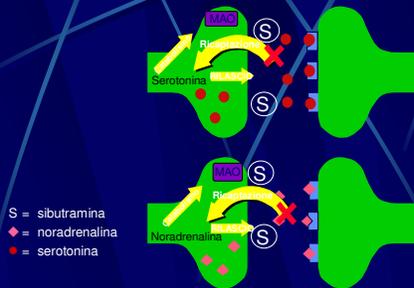
RR REDUCTION = 37 %

Torgerson et al. Diabetes Care 2004;27:155

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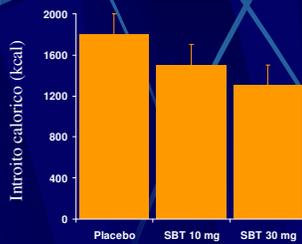
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SIBUTRAMINA : MECCANISMO D'AZIONE



Adattata da Ryan et al. *Obesity Res.* 1995;3: 553S.

SIBUTRAMINA: RIDUZIONE DEL'INTROITO DI CIBO IN DONNE OBESE NON A DIETA



Rolls BJ et al. *Obesity Res.* 1998;6:1.

SIBUTRAMINA: MODIFICAZIONI DELLA PRESSIONE ARTERIOSA E FREQUENZA CARDIACA RISPETTO AL BASALE

Gruppo dose	Categoria perdita peso	Modificazione media dal basale		
		PAS (mmHg)	PAD (mmHg)	FC (bpm)
Placebo	Tutti i pazienti	-1.6	-1.6	-0.3
Sibutramina 10 mg	Tutti i pazienti	+0.1**	+0.1***	+3.6***
	<5% o aum. peso	+1.2***	+0.6***	+3.2***
	≥5% perd. peso	-1.3	-0.9**	+3.6***
	≥10% perd. peso	-2.7	-1.0	+3.5***
Placebo	Tutti i pazienti	-0.2	-0.2	+0.2
Sibutramina 15 mg	Tutti i pazienti	+1.0*	+1.0***	+4.6***
	<5% o aum. peso	+2.2**	+1.8***	+4.9***
	≥5% perd. peso	-0.1	+0.2	+3.9***
	≥10% perd. peso	-1.0	-0.9	+2.6***

*p<0.05; ** p<0.01; *** p<0.001 confrontati con l'intero gruppo placebo

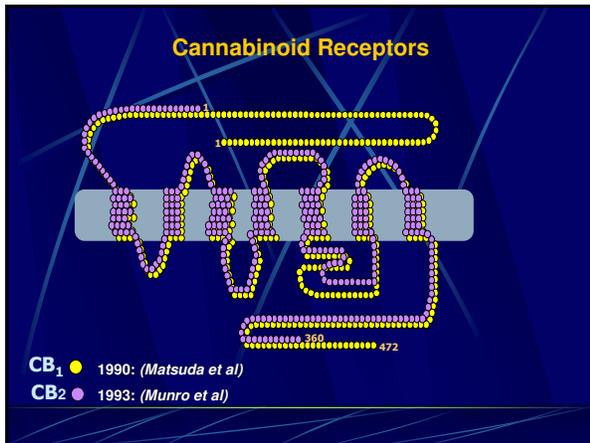
SCOUT: Sibutramine Cardiovascular Outcome Trial.

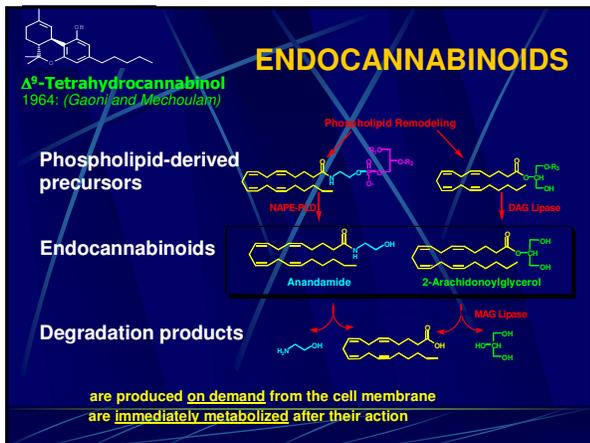
- 9000 obese and overweight patients with high CV risk.
- Reduction in myocardial infarction, stroke and cardiovascular mortality.

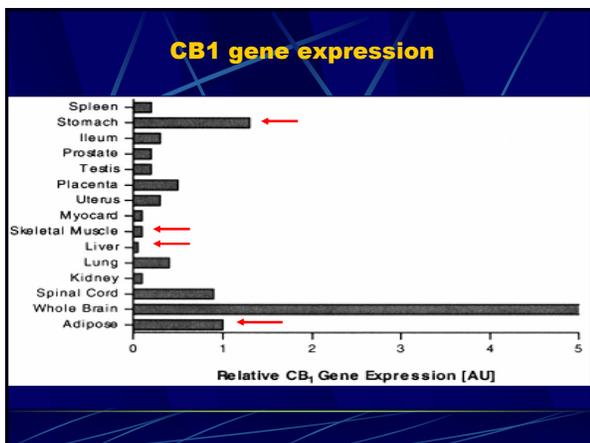
Padwal & Majumdar. Lancet 2007;369:71-77

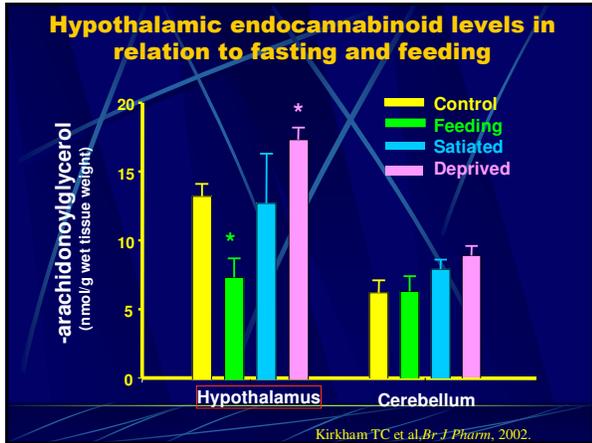
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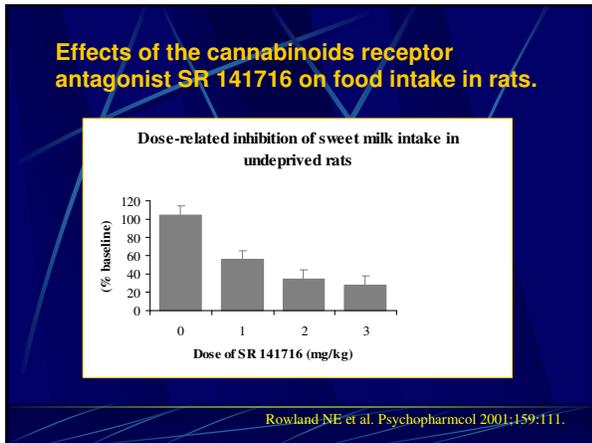
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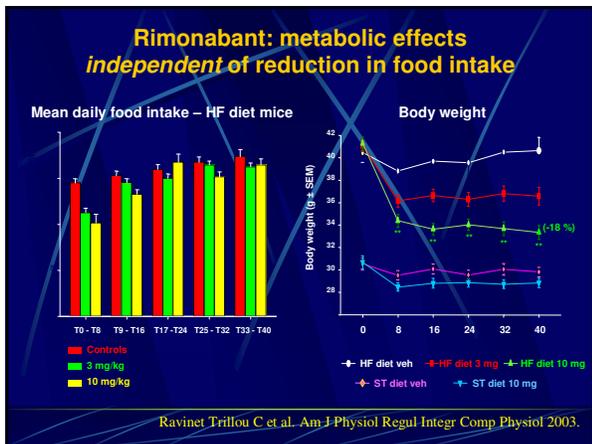


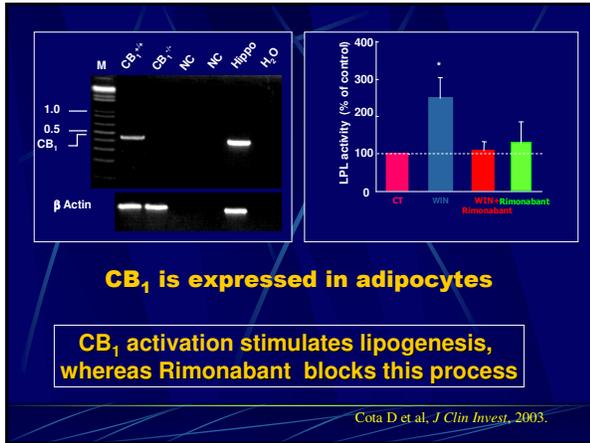


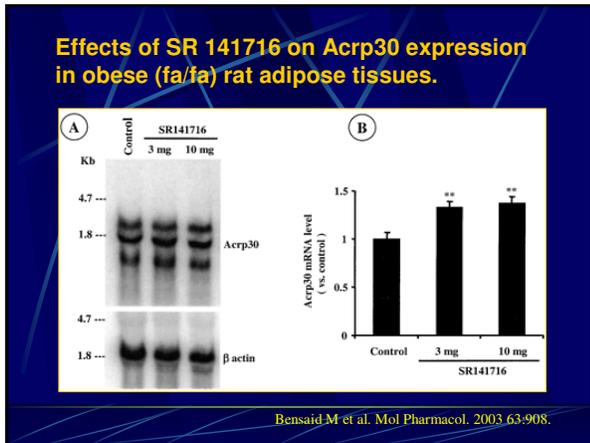


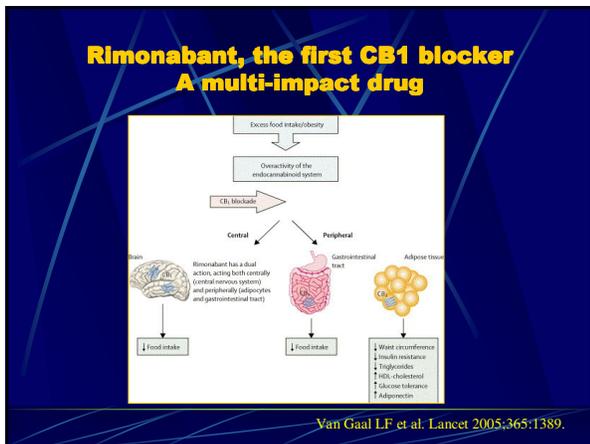


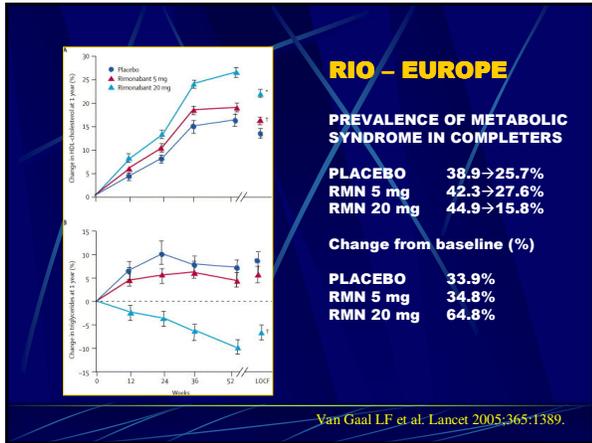


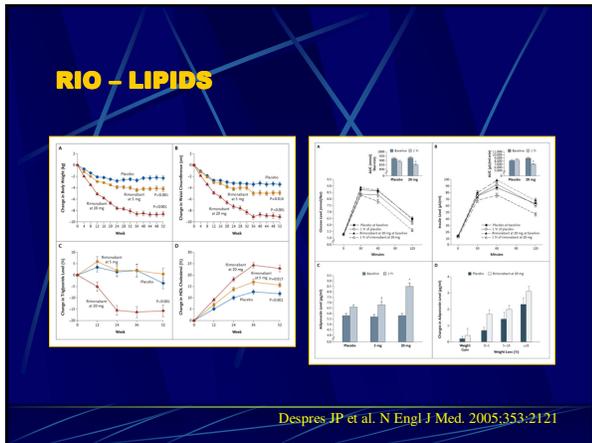


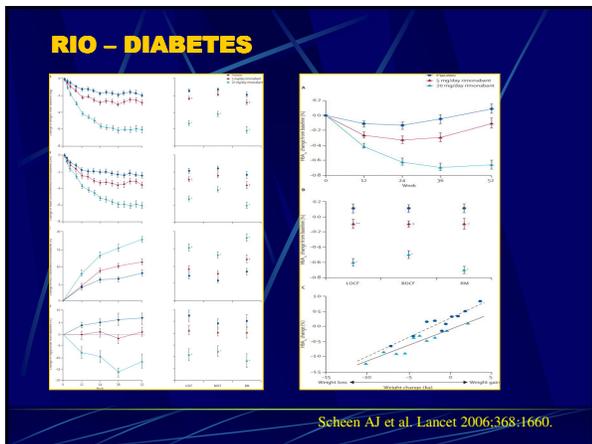












RIO programme pooled 1-year overall safety

	Placebo N=1254	Rimonabant 5 mg N=2162	Rimonabant 20 mg N=2164
Subjects with any adverse event	82.5%	83.0%	86.1%
Subjects with any serious adverse event	4.1%	5.0%	5.6%
Deaths	n=1	n=2	n=1
Subjects discontinued due to adverse event	7.7%	8.9%	13.6%

Pooled year 1 data: RIO-LIPIDS, RIO-EUROPE, RIO-NORTH AMERICA

RIO programme pooled 1-year overall safety: AEs leading to discontinuation

	Placebo (N=1254) n (%)	Rimonabant 5 mg (N=2162) n (%)	Rimonabant 20 mg (N=2164) n (%)
Psychiatric disorders	40 (3.2)	79 (3.7)	146 (6.7)
Depressed mood disorders	19 (1.5)	48 (2.2)	63 (2.9)
Anxiety	5 (0.4)	8 (0.4)	24 (1.1)
Irritability	2 (0.2)	4 (0.2)	10 (0.5)
Nervous system disorders	14 (1.1)	25 (1.2)	46 (2.1)
Headache	5 (0.4)	7 (0.3)	10 (0.5)
Dizziness	1 (<0.1)	4 (0.2)	14 (0.6)
Gastrointestinal disorders	5 (0.4)	18 (0.8)	49 (2.3)
Nausea	1 (<0.1)	5 (0.2)	29 (1.3)

According to MedDRA code, 0.5% in any rimonabant group; in the 3 main system organ class.

CRESCENDO: Comprehensive Rimonabant Evaluation Study of Cardiovascular ENDpoints and Outcomes.

- 17000 obese participants.
- Reduction in myocardial infarction, stroke and cardiovascular mortality.

Padwal & Majumdar. Lancet 2007;369:71-77
