



Meat proteinspart of a healthy lunch

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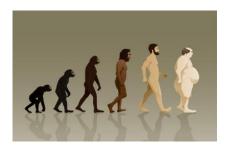




Meat proteins in the obesogenic world

PROBLEM

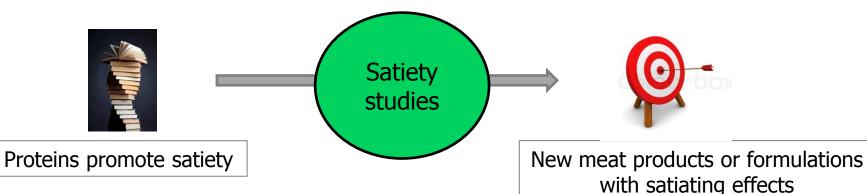
Global burden of obesity



SOLUTION - one of many...

Foods to control appetite









Objective

How do high protein meals containing pork affect appetite and energy intake?





Study design



OUTCOME

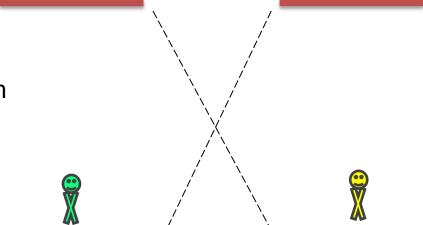
High most protoin

High meat protein lunch

Protein: 35E%



Normal lunch
Protein: 15E%



DAY 2

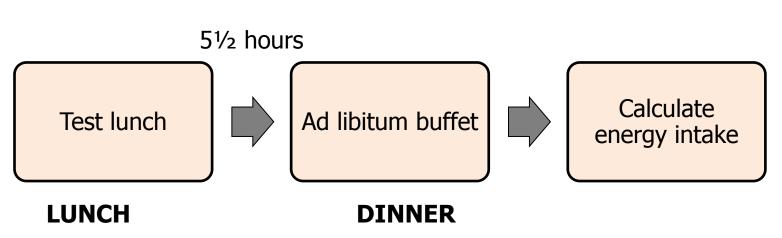
Ad libitum energy intake

Appetite measurements





How to measure ad libitum energy intake





High meat protein lunch



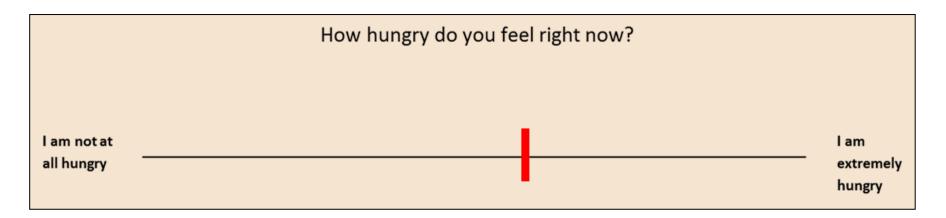
Normal lunch



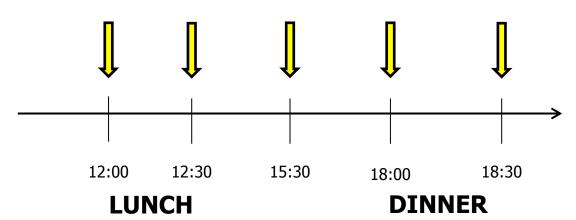




How to measure appetite



Appetite measurements







Study location and participants

Danish boarding school





134 students (15-16 years old)



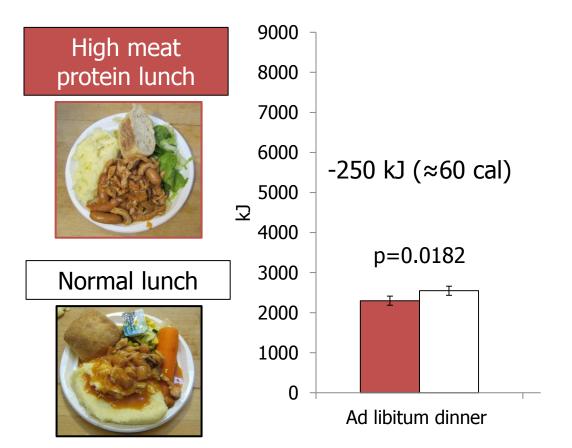








Results – energy intake







Results – appetite measurements

Not in line with the reduced energy intake!



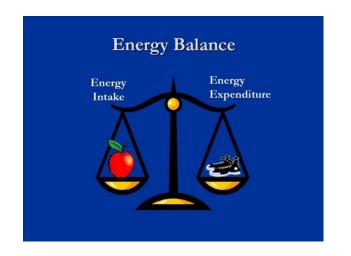




Our results in the obesogenic world

per day -250 kJ (≈60 cal)

per year 2.9 kg weight loss



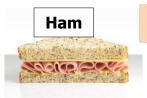
How much protein for lunch?

Increase meat intake from



1 slice \longrightarrow 3½ slices

OR



 $3 \text{ slices} \longrightarrow 7 \text{ slices}$



Suppress energy intake at dinner

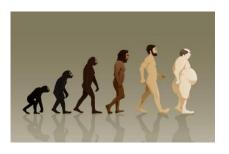




New healthy meat products

PROBLEM

Global burden of obesity



SOLUTION - one of many...

Foods to control appetite





Proteins promote satiety

Long term satiety studies

Combination of meat protein & dietary fibre



New meat products or formulations with satiating effects ?





Thank you for your attention!

Poster discussion - board #7

Today 15:00 - 15:30

DMRI contributions to ICoMST 2012





Financial support of the study: the Pig Levy Fund



it's all about innovation

