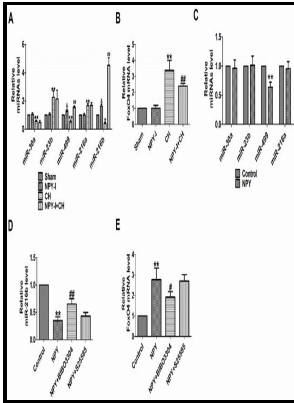


Neuropeptide Y and energy balance - one way ahead for the treatment of obesity?

- - Intracerebroventricular administration of neuropeptide Y to normal rats increases obese gene expression in white adipose tissue



Description: -

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Staff and educational development series

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Hypothalamic NPY status during positive energy balance and the effects of the NPY antagonist, BW1229U91, on the consumption of highly palatable energy

These timepoints correspond to periods of rapid weight flux 2 weeks , short-term weight stability 7 weeks , and long-term weight stability 12 weeks.

Urocortin I Inhibits the Effects of Ghrelin and Neuropeptide Y on Feeding and Energy Substrate Utilization

Neuropeptide Y and energy balance: one way ahead for the treatment of obesity? As the obesity worsens, so do the apnoeic episodes resulting in frequent awakening and the resultant sleep deprivation produces daytime somnolence. Obesity involves complex aetiological links between the genetic, metabolic and neural frameworks on one hand and behavior, food habits, physical activity and socio-cultural factors on the other Table.

Neuropeptide Y and energy balance: one way ahead for the treatment of obesity?, European Journal of Clinical Investigation

We have previously reported that direct injections of UcnI into the hypothalamic paraventricular nucleus PVN suppress food consumption ;. By 7 weeks, both peripheral and abdominal fat levels were significantly higher in ovariectomized compared to sham animals 32. There is an underlying genetic predisposition to obesity on to which environmental factors are layered.

Intracerebroventricular administration of neuropeptide Y to normal rats increases obese gene expression in white adipose tissue

During this time food intake and body weights were monitored, and rats received several mock injections in order to habituate them to the injection procedure.

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