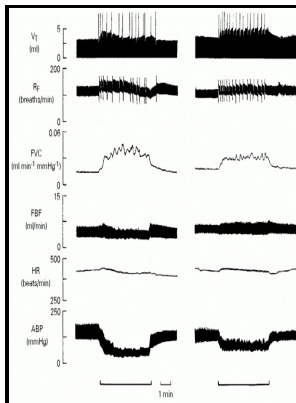


# Cardiovascular and behavioural responses to acute and chronic stimulation of the defence area in the rat

University of Birmingham - Bidirectional cardiovascular responses evoked by microstimulation of the amygdala in rats



Description: -

-Cardiovascular and behavioural responses to acute and chronic stimulation of the defence area in the rat

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Notes: Thesis (Ph.D.) - University of Birmingham, Dept of Physiology, 1985.

This edition was published in 1984



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## Neural regulation of endocrine and autonomic stress responses

Effects of systemic hypoxia on the distribution of cardiac output in the rat. *Advances in behavioural biology*, Vol. Chronic icv Ex-4 lowered blood glucose levels during the first 4 days of treatment and glucose levels remained depressed throughout the duration of the treatment period see.

## Baroreceptor modulation of regional haemodynamic responses to acute stress in rat

A large stimulus creates a higher frequency of action potentials, which is eventually perceived as more severe pain. Figure 4 - The proposed positive feedback loop that may develop during systemic hypoxia, particularly in small adult mammals and neonates. Therefore, our purpose in the present study was to investigate the effects of daily administration of testosterone and cocaine alone or in combination for 10 consecutive days on basal cardiovascular parameters, baroreflex activity, hemodynamic responses to vasoactive agents, and cardiac morphology in adolescent rats 28 days old.

## The hypothalamic and brainstem areas from which the cardiovascular and behavioural components of the defence reaction are elicited in the rat

Figure 6 - Schematic diagram showing some of the factors that influence the arterioles of skeletal muscle during systemic hypoxia and the cellular mechanisms by which they may act.

## Cardiovascular Complications following Chronic Treatment with Cocaine and Testosterone in Adolescent Rats

Thirdly, the development of atherosclerosis is very unusual in most strains of rats, even in the presence of sustained high blood lipid levels, in contrast to humans where atherosclerosis is common and an important risk factor in hypertension and heart failure. *News in Physiological Sciences*, 10: 204-210. The protocol was divided into three 10-days blocks with one exposure to every stressor per block, with exposures lasting no more than 20 hours for details see Supplementary methods.



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