

Lack of effect of diffuse noxious inhibitory controls triggered by cold on trigeminal convergent neurons in the anaesthetized rat

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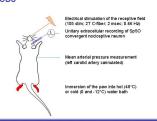
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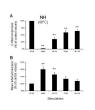
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INTRODUCTION

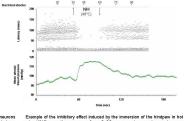
METHODS



HETEROTOPIC NOXIOUS HEAT STIMULATION DEPRESSES C-FIBER-EVOKED RESPONSES AND INCREASES MEAN ARTERIAL PRESSURE

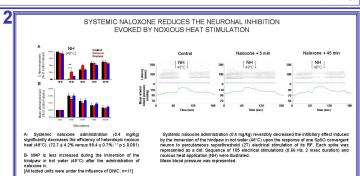


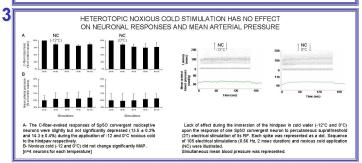
A. The C-fiber-evoked responses of SpRO convergent nociceptive neurons were strongly depressed (S9.4 \pm 0.7%) during the immersion of the hindpaw in hot water (48°C). B-Nosious heat (48°C) induced a significant increase of MAP: 23.1 \pm 3.9%, [All tested units were under the influence of DNC, n=11] $^{\circ}$ y 5.001 compared to corresponding 20-35 stimulations.



water (1997). Upon the response of one Sp50 convergent neuron supratifies hold (27) electrical stimulation of its RF. Each spike was a dri. Sequence of 105 electrical stimulations (0.66 Hz. 2 mse nous heat application (NH) were illustrated.

Simultaneous increases in mean blood pressure was represented.





CONCLUSION

Our results have shown that trigeminal nociceptive activity can be depress by heterotopic hot thermal stimulation. This phenomenon also called diffuse noxious inhibitory controls (DNIC), as in the spinal cord, is in part opioid dependant. The present results suggest that, contrary to human, in the anestheticate Int. DNIC can not be triggered by noxious cold stimulation.