

**VII. THE ACTION OF ADRENALIN CHLORIDE  
ON THE RESPIRATORY CENTER  
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(Abstract)

The action of adrenalin chloride on the respiration of urethanized rabbits, cats and dogs was studied. The respiratory movements were recorded as in our previous experiment.\* Synchronous  
\*Nice, Rock and Courtright, Amer. Jour. Physiol., 1914, XXXLV, 326.  
records were also made of blood pressure by mercury mano-

meters, one from the central end of the carotid artery and another from the peripheral end of the same artery, thus giving simultaneous records of respiration and the blood pressure in the head area and the central region of the body. The adrenalin was introduced in varying strengths either into the peripheral end of a carotid artery or into the central end of an external jugular vein.

Our results indicate that adrenalin affects the respiratory center directly. In general there may be an increase in the depth of respiration with small doses and a decrease in the depth with large doses.