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Studies on experimental cretinism. IV. The influence of thyroidectomy on the central nervous system.

MARGARETE META KUNDE.*

[From the Department of Physiology, University of Chicago, Chicago, Ill.]

Rabbits thyroidectomized 2 to 3 weeks after birth have been allowed to develop in a hypothyroid condition for 10 to 16 weeks. At that time marked symptoms of cretinism are apparent. These rabbits have then received daily doses of desiccated thyroid by mouth or intravenous injections of Kendall's thyroxin, until the end of the growth period. If the thyroid treatment is then discontinued and the animal allowed to live for a long period of time, usually eight months or more, the posterior extremities become spastic. Reflexes are exaggerated and a slowly progressive paralysis occurs, which results in complete inability to use the hind legs. Histological study of the spinal cord shows degenerative changes. The blood picture is that of primary anemia.

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Quinin in paroxysmal auricular tachycardia.JOHN H. WYCKOFF and HAROLD L. OTTO. (Introduced by
Holmes C. Jackson).

[From the Department of Electrocardiography, New York University and Bellevue Medical College, New York City.]

Wenckebach,¹ in an article upon cinchona derivatives in the treatment of heart disorders, stated that "an intravenous injection of quinin may stop an attack of paroxysmal tachycardia in many cases." This therapeutic suggestion was tested 10 times among 5 patients suffering from organic heart disease and paroxysmal auricular tachycardia, during a paroxysm. In all cases the effect of posture and the various forms of vagal pressure were

* Douglas Smith Fellow in Physiology.

¹ Wenckebach, C., *J. Am. Med. Assn.*, 1923, lxli, 472.